Established 1848

ST. LOUIS, MO. WEDNESDAY, OCTOBER 16, 1901.

Volume LIV., No. 41

be patient. Many regrets for Judge Miller's indisposition, and kindly comments
on the work he has done for horticulture
throughout this central west are received
in personal and private letters to this
office, and made by visitors. All express
for the wish that the Judge will yet be spared
to continue spreading good horticultural
Missourian for one year.

Missourian for one year.

state fairs have been surprising. Farm- est pear-Merchandise to the amount ers and townspeople concluded prior to of \$1.

the farmer who attends that is looking for suggestions and improvements will into them. He sees things which arouse his ambitton to do better, to attain more profitable results, or he sees things which arouse his ambitton to do better, to attain more profitable results, or he sees things which arouse his ambitton to do better, to attain more profitable results, or he sees things which arouse his ambitton to do better, to attain more profitable results, or he sees things which arouse his arbitron to do better, to attain more profitable results, or he sees things which arouse his ambitton to do better, to attain more profitable results, or he sees things which arouse his arbitron to do better, to attain more profitable results, or he sees things which arouse his arbitron to do better, to attain more profitable results, or he sees things which arouse his ambitton to do better, to attain more profitable results, or he sees things which arouse his ambitton to do better, to attain more profitable results, or he sees things which arouse his ambitton to do better, to attain more profitable results, or he sees things which arouse his ambitton to do better, to attain more profitable results, or he sees things which arouse his ambitton to be terred to the terred to the fertile soil of the them. He sees things which arouse his ambitton to the them that it shows the way to the them. He sees things which arouse his ambitton to the third that it the sees things which arouse his ambitton to the them. He sees things which arouse his ambitton to the third that it the sees things which arouse his ambitton to the them. He sees things which arouse his ard to meet the fertile soil of the form. The managers, in appointing farsh & Convers Remember and guests and morn of sill mornton the theront. The managers, in appoint farsh & Convers Remembers and guests and similar the them to she theront. The managers is a mornton of sillent and the them that the work in the first the them to she there were the form that the thing that the time to

there is a wholesome agitation of the subject that will yet give farmers an agricultural fair that will be all that is desired, and the way to have them so is not to grumble, but to so crowd the

our & Co. to locate at East St. Louis re are located the St. Louis National The "National Live Stock Reporter" of

October 5 says:

state laris and townspeople concluded prior to the holding of these fairs that agriculture would have a very slim showing; and when good exhibits were found on display the query at once was made, Where did by the control of the best twelve are of corn, any variety—one when good exhibits were found on display the query at once was made, Where did by J. K. Johner, for the best plate principles of the great Armour establishments and twelf the size and dimensions of the buildings will be cannot at the present the buildings will be cannot at the present the buildings will be cannot at the present time be given, but this much can be stelled throughout the country is proof time best twelve ent time be given, but this much can be stelled throughout the country is proof time buildings will be cannot at the present ceived throughout the country is proof that the scope and capacity of the sufficient of its popularity.

For more than one hundred years we plant will in every way conform to the base plant will in every way conform to the buildings will be cannot at the present ceived throughout the country is proof the buildings will be cannot at the present when the principles will be cannot at the present when the size and dimensions of the buildings will be cannot at the present when the principles will be cannot at the present when the present when the present when the present when the proof the buildings will be cannot at the present when the present wh

A Forerunner to the World's Fair at St.

the query at once was made, Where did these grow?
It is encouraging to know that agricultural exhibits were not permitted to go by default simply because fine specimens were not to be found on every farm. The very fact that there have been creditable exhibits made this season of unprecedented heat and drouth testifies as to the grit of the American farmer here in this central west section.

At the St. Louis Fair were found display of fruit and vegetables that surplised many visitors. Even heads of cabbage were placed as obstacles on the race track when the automobiles were cabbage were placed as obstacles on the race track when the automobiles were contenting in the obstacle race, where the operators were to show the ability with the importance? The heat play is done in the part of the stream of agricultural products to Europe for which we many agricultural exhibits in the differs and his labor be lost. Mr. Calhoun, in the Rural WorkLo Oct. 2, think ments at other centers and be in keeping thural products to Europe for which we many agricultural exhibits in the differs and his labor be lost. Mr. Calhoun, in the rest section was received the money necessary to carry on the great twenty-five years where found a first-class packing plant in the Rural WorkLo Oct. 2, think ments at other centers and be in keeping thural products to Europe for which we many agricultural exhibits in the differs and his labor be lost. Mr. Calhoun, in the rest twent be afterned to control the many agricultural exhibits in the differs and his labor be carry on the great business of civilitation. During the past twenty-five years we have steadily increased our many for the state building and in a great many other places, we then the aftering the past twenty-five years and the great many other places. The labor of the count of the past one.

The lack of went of the count of the count of

importance and future possibilities. On

While fairs may not be all we desires, there is a wholesome agitation of the subbest that will yet give farmers and of Richmond may well be imitated and have learned a few facts better town. Seel Do those of other sections of the state of the fair from the substance of the fair from the fair from

COLIMAN'S RURAL WORLD

William Street In first clumms in the specimen of the large interest and energity for the large interest and energy for the large i

the wish that the Judge will yet be spared to continue spreading good horticultural grospel.

Missourian for one year; for the best assortment of preserves—One pair of spectacles fitted to the eyes, value \$1.50.

The leading fairs of this section are, for the most part, past history. The low, Illinois and Missouris batte Fairs are the ones that have had the greatest effect on the agricultural interests here in the central west. The reports received from these state fairs have been surprising. Farmers and townspeople concluded prior to of \$1.50.

The system of the best display of pears—Missouris from the best assortment of preserves—One pair of spectacles fitted to the eyes, value \$1.50.

By Haylor & Welch, for second best to the special study of all the different agricultural features at Buffalo, with a view of enlarging upon them at the fairs have been surprising. Farmers and townspeople concluded prior to of \$1.50.

The leading fairs of this section are, for the best assortment of the eyes, value \$1.50.

By Taylor & Welch, for second best to the special study of all the different agricultural features at Buffalo, with a view of enlarging upon them at the different agricultural features at Buffalo, with a view of enlarging upon them at the different agricultural features at Buffalo, with a view of enlarging upon them at the feditor RURAL WORLD: Senor Jose de Olivaires, Commissioner from the Louisiana Purchase Exposition, is making a careful study of all the different agricultural features at Buffalo, with a view of enlarging upon them at the different agricultural features at Buffalo, with a view of enlarging upon them at the different agricultural features at Buffalo, with a view of enlarging upon them at the dollier ent details of the Louisiana Purchase Exposition, is making a careful study of all the different agricultural features at Buffalo, with a view of enlarging upon them at the building contains exhibits pertaining to the different details of the Louisiana Purchase Exposition, is making a careful stu ceived throughout the country is proof sufficient of its popularity.

For more than one hundred years we plants and their adaptability to certain have sent a constitution of agricularity. sections of the country is being dis-seminated. In addition to all this the

appointed, feeling at times that farming appointed, feeling at times that farming and its interests have not been given prominence, yet every fair but emphasizes the importance of agriculture and display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best display of garden products—Conservator for one year; for the best di

Editor RURAL WORLD: Mr. Cal-

THOSE BLESSINGS IN DISGUISE.

Editor RURAL WORLD: There seems to be nothing so hard for man as to work hard for certain results, be disappointed and his labor be lost. Mr. Calhoun, in

cabbage were placed as obstacles of cabbage. The use of track may relatedly made surveys and are in a position to draw the plane surveys and are in the case of cabbage. The use of track may be the stream and their families of spectators in the amplification. The more is a long claim of the market tenesting of the market tenesting of the market at least one-chird, just as soon as the new serious of spectators in the amplification. The more is a long delayed from these fairs tired and display of agricultural products.

For the set peck of tomatoes—"Democrat" for one year; for the best peck of tomatoes—"Democrat" for one year; for the best peck of tomatoes—"Democrat" for one year; for the best peck of tomatoes—"Democrat" for one year; for the best peck of tomatoes—"Democrat" for one year; for the best peck of tomatoes—"Democrat" for one year; for the best peck of tomatoes—"Democrat" for one year; for the best peck of tomatoes—"Democrat" for one year; for the best peck of tomatoes—"Democrat" for one year; for the best peck of tomatoes—"Democrat" for one year; for the best peck of tomatoes—"Democrat" for one year; for the best peck of tomatoes—"Democrat" for one year; for the best peck of tomatoes—"Democrat" for one year; for the best peck of tomatoes—"Democrat" for one year; for the best peck of tomatoes—"Democrat" for one year; for the best peck of tomatoes—"Democrat" for one year; for the best peck of tomatoes—"Democrat" for one year; for the best peck of Jonathan apples—"Democrat" for one year; for the best peck of Jonathan apples—"Democrat" for one year; for the best peck of Jonathan apples—"Democrat" for one year; for the best peck of Jonathan apples—"Democrat" for one year; for the best peck of Jonathan apples—"Democrat" for one year; for the best peck of Jonathan apples—"Democrat" for one year; for the best peck of Jonathan apples—"Democrat" for one year; for the best peck of Jonathan apples—"Democrat" for one year; for the best peck of Jonathan apples—"Democrat" for one year; for the best peck of Jonathan a

up, whitewash every nook, clear up every corner, make the chicken home warm and comfortable. Put a window in, and then

Jerseys and the Alderneys.

Jerseys and the Alderneys.

Jerseys and the Alderneys.

A dairy breed as having sufficient innate stability of character to reproduce distinctively dairy qualities in fifty per cent of their progeny. Twenty-two years is a short space of time in which to bring about a change sufficient to furnish manure is a one-sided fertilizer, as the manure is a one-sided fertilizer, as the

erament publications we desire to state that all the bound books, pamphlets, etc., herein named are printed and bound at the Government Printing Office, by law of Congress, and each Senator and Representative is entitled by law to receive a specified number of each publication is-

sued for official use and for free distribu-tion among his constituents.
"We deem it essential to inform the public that upon application to their respective Representatives in Congress or Senators the publications named herein which are now on hand, will be forwarded to them free."

MORE LAND.-The Interior Department is rapidly completing its plans with a view of throwing open to settlement the Fort Hall (Idaho) Indian reservation. This tract of land contains some 400,000 acres, and will probably be ready for the rush within a few weeks. Another tract of land will perhaps be thrown open to settlement next spring—the Quinault res-ervation in Washington—and contains

the members and guests that Mr. Cas-

The Dairy

however, did not show up in time to be installed.

THE DE LAVAL SEPARATOR COMPANY were, as usual, on hand with a display of separators. Their representative, Mr. R. H. Pethebridge, had his space freely and tastefully decorated, making their exhibit one of the most attractive in the building.

THE EPICH COMPANY Reference to be continued in the pretty good thing to attach to the funnel on end of carrier, attach to the funnel on end of the funnel on end

and it was found that by this score Mr. W. would have been awarded first premium in ten-pound dairy class, and first in five-pound print class. In fact, his butter was only 1½ points below the highest scoring package of butter at the Fair, all of which speaks well for the quality atter the will find that years of high all of which speaks well for the quality of Mr. Watkins' butter. And he surely is to be highly commended for the enterprise he shows in an effort to prove that butter of the highest quality can be and is made in Missouri.

We are pleased to see all over our state fields of corn set in neat shocks. This is as it should be every year. An acre of good corn in the shock is worth fully as much as one ton of the best timothy have.

THE MISSOURI DAIRY MEETING

clation, to be held in this city next month.

The meeting was called to order by
Mayor Owsley, who stated its object.

On motion Mr. Owsley was made permanent chairman of the meeting, and F.

H. Sosey, secretary.

The meeting of the State Dairy Association was discussed by various gentlemen, and its importance fully explained.

Monday night, when further arrangements will be made. SPECTATOR.

his starting point to Palmyra at the rate named. This insures to each and every individual who purchases a ticket the reduction in rate, and there will be no trouble with getting certificates and de-pending on a certain number being pre-

exhibition in the Dairy Hall at the St.
Louis Fair. Among the exhibits thus
prevented was that of H. McK. Wilson &
Co. of this city, who usually make a
large display of Sharples separators and
other dairy goods.

Ged, when we will open the 250-ton silo,
leaving the small silo for the summer
feed. In footing up our labor account in
filling silos, we find that we have not
decreased cost, but rather increased it.

THE VERMONT FARM MACHINE
COMPANY were fortunate in shipping a sample separator, the "U. S.," by express, so that their representative, Mr. Van Camp, was able to make a show and do effective work. Their main exhibit, however, did not show up in time to be installed.

decreased cost, but rather increased it. We account for this in part because of the light yield of corn and increased status of the light yield of corn and increased to the light yield of corn and increased to the light yield of corn and increased to.

STATEMENT OF THE PROPERTY OF THE P

in the building.

THE FRICK COMPANY'S refrigerating machine, which, as a working exhibit, was used to cool the butter cases, was the center of much interest. And it certainly was interesting to all visitors to watch the operation of a machine which with the aid of a supply of ammonia gas, conveyed from the machine by pipes across the hall to the glass-front butter room, produce in this room a temperature so low that the pipes quickly become thickly coated with frost. An added novelty to many was the electric motor by which electricity was used as the motive power for operating the ice machine.

THE WATKINS BUTTER DISPLAY.—One of the pretitiest displays was that made of butter by Mr. A. J. Watkins of Lawson, Mo. In a large separate case in which there was a coil of pipes connected with the ice machine, were placed 250 pounds of butter, all in pound prints, wrapped in parchment paper, on which appeared Mr. Watkins' name, brand and name of firm for whom the butter was made, Guernsey & Murray, grocers, of Kansas City.

Through the fault of the express company that handled Mr. Watkins' shipment, his butter failed to arrive in time to compete for premlums, but Superintendent Chubbuck had his entries scored, and it was found that by this score Mr. W. would have been a warded first premium in ten-pound dairy class, and first in five-pound print class. In fact, his butter we was a coil of the express company that handled Mr. Watkins' shipment, his butter failed to arrive in time to compete for premlums, but Superintendent Chubbuck had his entries scored, and it was found that by this score Mr. W. would have been a warded first premium in ten-pound dairy class, and first first first would be a pretity good thing to attack to the fundent the thune on on tendper in cart.

At the Palmyra meeting the pound it just the thing. They now have it hung on utside of silo in cart.

At the Palmyra meeting there should be a full report of users of silos in Missouri—style of buildings, cost of same and results obtained from from from f

much as one ton of the best timothy hay, much as one ton of the best timothy hay, and for my part I would not swap. There have been several large shredding matchines bought by people in our county, who will shred the farmers' crops, husking the corn at same time. This is as it should be, providing the fodder is in the proper condition, which is thoroughly all that can be done to make the meeting a great success is evident by the following report: a great success is visited by Mayor ing report:

Pursuant to a call issued by Mayor J. W. Owsley, a citizen meeting was held at the City Hall Monday night, October 7, for the purpose of arranging for the warren Co., Ill.

first of November. Then the fodder should be placed under a good roof. We of Cedar Hill have over 200 large shocks to treat in this way. "BUFF JRESEY." Warren Co., Ill.

DO MISSOURI DAIRYMEN HAVE TO BE SHOWN?

Editor RURAL WORLD: Hurrah for the dairy and creamery men of Missouri.
"Poor old drouth-stricken, sun-blistered
Missouri." Her record at the great Pan-American Show is one to be crowding for first honors all the great

Glahn, Jno. A. Miller, L. E. Frazer.

On motion the report of the committee was unanimously adopted.

There being no further business to transact the meeting adjourned until next cows we would not have a dollar coming it easier to handle. This is particutant of the committee was unanimously adjourned until next cows we would not have a dollar coming in it easier to handle. This is particutant of the committee was unanimously adjourned until next committee.

crop is raised. ments will be made. SPECTATOR.

RAILROAD RATE—A railroad rate of one and one-third fare for the round trip will be made by all Missouri roads on account of the convention.

This is not on the certificate plan, but is an open one and one-third rate, so that one convention are the convention.

The second day of August on cowmanured land, stands from waist to shoulder high, and 25 acres of corn on same kind of land will make 20 to 5 bushels of good corn. Part of this was not touched after it was planted, except.

That more animals of this kind are not not touched after it was planted, except. a open one and one-third rate, so one can buy a round trip ticket at to come can buy a round trip ticket at to come can buy a round trip ticket at to come can buy a round trip ticket at to come can buy a round trip ticket at to come can buy a round trip ticket at to come can buy a round trip ticket at to come can buy a round trip ticket at to come can buy a round trip ticket at to come can buy a round trip ticket at the come can buy a round trip ticket at the come can be come can buy a round trip ticket at the come can buy a round trip ticket at the come can buy a round trip ticket at the come can buy a round trip ticket at the come can buy a round trip ticket at the come can buy a round trip ticket at the come can buy a round trip ticket at the come can buy a round trip ticket at the come can buy a round trip ticket at the come can buy a round trip ticket at the come can buy a round trip ticket at the come can buy a round trip ticket at the come can buy a round trip ticket at the come can buy a round trip ticket at the come can buy a round trip ticket at the come can buy a round trip ticket at the come can buy a round trip ticket at the come can be co to cut out the weeds with a hoe once the cheap bulls drive out the good ones. One point in favor of the old cow.

W. A. STEVENS. Cass Co., Mo. MODEL DAIRY NOTES

Dairy at the Pan-American Exposition After Abortion Cows should be injected with Hood one of the noticeable features is the manner in which the Holsteins have maintened in the Hood Farm Abortion Cure it is the to decrease as the season advances of any best means of preventing abortion.

Two sizes each, \$1 and \$2.50. To any railroad or express point in U. S., 25 cents additional. C. I. Hood & Co., Lowell, the time green feed was first furnished, the herdsman in charge of these cattle.

Take Laxative Bromo Quinine Tablets. All druggists refund the money if it falls to cure. E. W. Grove's signature is on the herdsman in charge of these cattle.

LOUIS FAIR.

Below we give the entries of and detailed score on butter and cheese at the St. Louis Fair, held last week. Of the nine entries of dairy butter in packages three were from Illinois and six from Missouri. The first premium went to Wm. Plummer of Grace, Carroll Co., Mo., on a score of %. Second to A. C. Heins of Corder, Lafayette Co., Mo., on a score of 96; second to A. M. Laison, butter contagious. It is his opinion that the state is ideally located for dairying. Get of one sire—First to F. W. Hull & Sons. Co., Kansas City, scoring 97%—the high-ed to make it a success. Your correspondent has a noble dairy farm. He wishes some younger and more experienced dairyman had hold of it that he might put it to dairy use and purposes.

We raise stock cattle, horses and sheep of first-class ensilage insure our cord of Jerseys 12 months of feed, regardless of pastures. We have a warded first and second premiums, and E. I. Hall. Union. DAIRY EXHIBITS

Editor RURAL WORLD: On Monday eve, September 30, the last load of corn was elevated in our silos, and we drew a long breath of relief. Four hundred amount of freight billed for St. Louis is there of the milch cows from a small silo and will continue to do so till such time the first premium went to Wm. Plummer of Grace, Carroll Co., Mo., on a score of 95; second to A. C. Heins of corden to the milch cows from a small silo and will continue to do so till such time the first premium went to Torne first premium went to Torne for force, Carroll Co., Mo., on a score of 95; second to A. C. Heins of corden the first premium went to Wm. Plummer of Grace, Carroll Co., Mo., on a score of 95; second to A. C. Heins of corden the first premium went to Torne first premium went to Torne for first-class ensilage insure our force of 95; second to A. C. Heins of corden the first premium went to Torne first premium went to Torne first premium went to Wm. Plummer of Grace, Carroll Co., Mo., on a score of 95; second to A. C. Heins of corden the first premium went to Wm. Plummer of Grace, Carroll Co., Mo., on a score of 95; second to A. C. Heins of corden the first premium went to Wm. Plummer of Grace, Carroll Co., Mo., on a score of 95; second to A. C. Heins of corden the first premium went to Wm. Plummer of Grace, Carroll Co., Mo., on a score of 95; second to A. C. Heins of corden the first premium went to Wm. Plummer of Grace, Carroll Co., Mo., on a score of 95; second to A. C. Heins of corden the first premium went to Wm. Plummer of Grace, Carroll Co., Mo., on a score of 95; second to A. C. Heins of corden the first premium went to Wm. Plummer of Grace, Carroll Co., Mo., on a score of 95; second to A. C. Heins of corden the first premium went to Wm. Creamery on a score of 95½; second to Nathan King, Deer Park, Mc., score 95½, and third to the Neoga, Ill., creamery,

On cheddar cheese Chas. Haldeman, California, Mo., was awarded first and second premiums, and E. I. Hall, Union, Ia., the third. On Young America, Chas. Ladder with the dairy, I am satisfied. A dairy is just like a bank. It yields divided to the could day and A. E. And the second premium to the dairy is just like a bank. It yields divided the could day and A. E. And the second premium to the could day and A. E. And the second premium to the could day and A. E. And the second premium to the could day and A. E. And the second premium to the could day and A. E. And the second premium to the could day and the second premium to the could be second Haldiman won first and taird, and A. E. Helmer, Evans Mills, N. Y., the second. In the Swiss class Ulrich Gerber, California, Mo., got the highest score, and the highest on cheese at the Fair-and Chas. Haldiman the second and third.

In the creamery class Missouri won ricultural College did the scoring.

DAIRY BUTTER-TEN-POUND PACKAGES.

Postoffice.	%Texture.	EColor.	alt.	"Package.	Total.
P. W., Derinda, Ill	128	014	10	6	9014
Vm., Grace, Mo40	30	10	10	5	95
an, Deer Park, Mo36	2914	10	10	5	901/4
, Monmouth, Ill36	30 .	9%	10	5	90%
Etna, Ill37	30	91/2	10	4%	911/4
, Concordia, Mo39	30	9%	10	5	93%
., Steedman, Mo37	291/2	81/2	10	5	90
J., Lawson, Mo391/2		10	10	4	9214
C., Corder, Mo40	291/4	914	10	5	94
POUND PRINT BUTT		-/8	20	-	
Vm., Grace, Mo39	30	81/6	10	4	911/4
8., Garden City, Mo36	29	10	10	5	90
an, Deer Park, Mo41	291/4	10	10	494	96%
reamery Co., Concordia, Mo	29	10	10	5	94
mery Co., Neoga, Ill401/2	291/4	91/4	10	5	9416
., Monmouth, Ill37	291/2	10	916	5	91
, Holden, Mo38	291/4	914	10	4%	91%
ngs Cream., Sweet Springs, Mo411/2		9	10	5	951/2
CREAMERY BUTTER-TEN-POUR	ID PA	CKAG	E.		
. H., Irving, Ill42	30	91/2	10	5	961/2
N. E., Norseland, Min41	30	91/2	10	5	951/4
Holden, Mo37	291,6	10	10	5	911/2
len Co., Kansas City, Mo42	30	10	10	Б	97
M., Kansas City, Mo421/2	30	10	10	5	971/2
S., Garden City, Mo391/2	30	10	10	5	941/2
mery Co., Neoga, Ill391/2	30	10	10	5	941/2
eamery Co., Schuyler, Neb401/2	30	10	10	5	951/2
eamery Co., Corning, Mo42	29	10	10	5	96
reamery Co., Concordia, Mo42	30	9%	10	5	96%
Concordia, Mo391/2	30	10	10	5	941/2
mery Co., Corder, Mo37	30	10	10	Б	92
mery Co., Alma, Mo40	30	10	10	5	93
gs Cry. Co., Sweet Springs, Mo40	291/2	9	9%	Б	931/4
ant, Freeport, Ill39	29	10	10	5	93
gs	Cry. Co., Sweet Springs, Mo40 ht, Freeport, Ill39	Cry. Co., Sweet Springs, Mo40 291/2	Cry. Co., Sweet Springs, Mo40 29½ 9 tt, Freeport, Ill39 29 10	Cry. Co., Sweet Springs, Mo	Cry. Co., Sweet Springs, Mo

CHEDDAR CHEESE.

ı١						
	Name and Postoffice.	Texture.	*8tyle.	«Salting.	Color.	STotal.
J	Haldiman, Chas., California, Mo38	29	11%	8	10	96%
1	Haldiman, Chas., California, Mo	29	111/4	8	9	931/
1	Helmer, A. E., Evans Mills, N. Y36	291/2	11	8	10	941/
	Hall, E. I., Union, Ia	281/2	11%	8	10	94%
ı	Haldiman, Chas., California, Mo371/2	28	12	8	10	951/
J	Haldiman, Chas., California, Mo361/2	28	12	8	10	941/
ı	Haldiman, Chas., California, Mo37	28	12	8	10	95
	Gerber, Ulrich, California, Mo38 YOUNG AMERICAN.	29	12	8	10	97
d	Haldiman, Chas., California, Mo86	261/2	111/	8	10	92
	Haldiman, Chas., California, Mo361/2	27	111/2	8	10	93
1	Haldiman, Chas., California, Mo34	25	12	8	10	89
	Haldiman, Chas., California, Mo36	29	111/2	8	9	931/
	Haldiman, Chas., California, Mo38	281/2	101/2	8	10	95
	Helmer, A. E. Evans Mills, N. Y	27	11	8	10	94
	Hall, E. I., Union Ia37	27	101/2	8	10	921/

THE COW TEST.,

REPORT OF THE PAN-AMERICAN MODEL DAIRY FOR THE WEEK END-ING OCTOBER 1, 1901.

	Breed. gg u H	Amt. of Butter.	Value at 25c Pound.	Cost of Feed.	Profit.
1	French Canadian 781.5	\$38.28	9.57	4.13	. \$5.44
1	Dutch Belted 832.3	35,66	8.91	4.84	4.07
1	Ayrshires1058.1	49.12	12.28	5.44	6.84
1	Jerseys 898.6	52.84	13.21	5.74	7.47
	Shorthorns1012.1	48.32	12.08	6.25	5.83
1	Guernseys 798.6	49.62	12.41	5.32	7.09
1	Holsteins1356.7	57.42	14.35	6.77	7.58
1	Polled Jerseys 638.7	38.13	9.53	4.24	5.29
	Red Polls867.4	44.16	11.04	5.21	5.83
1	Brown Swiss 986.9	46.02	11.50	5.69	5.81

members for the various committees on selection members for the various committees of selection from green and other brown, with possible selection from green field from green field and properties. W. H. F. Smith, D. L. Dubbra, P. H. Bossy, J. R. C. Reamely, H. P. F. Robbins, D. C. Committee on Arrangement—Go. V. Stararans, W. N. Bates, Jacob Roffer, C. R. Reamedy, H. P. J. R. Smith, C. D. Hobbra, J. R. W. H. Schler, J. M. W. H. Schler, J. M. W. H. Schler, J. W in, and no prospect for any till another larly true when large amounts corn fodder or timothy hay are fed to

> We have known cases where the farmers really felt aggrieved because the owner of a really good animal charged more for his services than did the owner of some Editor RURAL WORLD: In the Model scrub. You cannot expect to get some thing from nothing, and after the cost of service it does not cost any more to raise the calf, and she will mature into a cow that will many times repay you for extra first cost.

house, you told the people of Missouri what wealth was hid away in these four million acres of unused timbered lands; that they would support one million head of dairy cattle, were the underbrush cut jeu 1510, owned by T. H. Inman; second out, briers and brambles removed, and to Porter Scott 1487, owned by F. W the ground made to teem in succulent Hull & Sons; third to Sir Lucius 1415, derive by such an exercise of frugality. mal owned by E. M. Barton; second to Told us of the wonderful advancement Ilda 2d 1022, owned by T. H. Inman; third

County and all over the state began to shed their timbers, underbrush, etc., and animal owned by E. M. Barton. the county is improving in the dairy business. Four years ago, when the State Dairy Association met at Columbia, the secretary reported 800 dairies in operation Ruth H. 1076, owned by F. W. Hull & for Kansas, 200 for Iowa and 300 for Il- Sons

George B. Ellis, the newly elected secretary of the board of agriculture at Columbia, says there are between 600 and 700 dairies already established in the state, and that the dairy industry is becoming

night. MARK W. WOOD. McCune Station, Mo.

DAIRY CATTLE AWARDS

At the Illinois State Fair.

HOLSTEIN-FRIESIAN CATTLE.

Here? 2 and under 3-prist to Colamba
Florence Herbert 2d 46699, owned by W. B.
Barney & Co.; second to Bernardo Clothilde Ruth 56345, owned by Easthope &
Biery; third to Lady Josephine Aggie de
Kol 52454, owned by W. B. Barney & Co.

Get of one sire—First to McCormick &
Edgerly; second to J. F. Converse & Co. Helfer 1 and under 2-First to Charlotta Lady Jose 53073, owned by M. E. Moore; second to Young Jessie's Aggie 2d 53377, owned by W. B. Barney & Co.; third to Bernardo Clothilde Fancy 56625, owned by Easthope & Biery.

Helfer under 1 year old—First to Bernardo Clothilde Countess 56739, owned by Easthope & Biery; second to Carlotta Gerber 56204, owned by M. E. Moore 4th, owned by W. B. Barney & Co. Exhibitors' herd-First to Easthope &

Arden Herd. Heifer 2 and under 3—First to King of Arden's Princess 157355, owned by Arden Herd; second and third to animals owned stable in order to get high grade milk

owned by T. H. Inman. Cow 3 years old or over-First to an

the dairy business made for the finances to Bethehem 1449, owned by F. W. Hull of the state of Wisconsin. of the state of Wisconsin.

Well, sir, marvelous as it may seem, these hills about Louisiana and Pike May's Beauty 1761, owned by T. H. In-Heifer 2 and under 3-First to Daisy

Helfer 1 and under 2—First to animal owned by E. M. Barton; second to Sigrid

inois, Missouri had only 69, all told.

Here is a clipping from the report of ecretary state board of agriculture of ond to Dorothy H. 2174, owned by F. W.

AYRSHIRE CATTLE Bull 2 years old or over-First to Jerry Drummond 5889, owned by J. F. Converse & Co., Woodville, N. Y.; second to animal owned by McCormick & Edgerly, Pataskala, Ohio.

Buil 2 and under 3—First to animal waned by McCormick & Edgerly.

HOLSTEIN-FRIESIAN CATTLE.
Bull 3 years old or over—First to Missouri Chief 2653, owned by M. E. Moore, Cameron, Mo.; second to Jewel of Home Farm 2646, owned by W. B. Barney & Co., Hampton, Ia.; third to Emerald Sir Clothilde 2852, owned by Easthope & Biery, Niles, O.
Bull 2 and under 3 years old—First to Barnardo's Tula de Kol 28796, owned by J. F. Converse & Co.; Bull under 1 year old—First to Barnardo's Tula de Kol 28796, owned by Easthope & Biery; Second to Barnardo Clothilde Artist 28789, owned by Easthope & Biery; second to Barnardo Clothilde Artist 28789, owned by Easthope & Biery; Third to Sir Abbekirk Parthenea, owned by M. E. Moore,
Bull under 1 year old—First to Unecda Jewel 28562, owned by W. B. Burney & Co.; second to Bernardo Clothilde Statesman 28677, owned by Easthope & Biery; third to De Kol Preteyle Artist 28828, owned by McCormick & Edgerly; second to Clara Douglas of Riverside, owned by J. F. Converse & Co.; Heifer 1 and under 2—First to animal owned by McCormick & Edgerly; second to Riverside Queen, owned by J. F. Converse & Co.; Heifer 1 and under 2—First to animal owned by McCormick & Edgerly.

Cow 3 years old or over—First to Clothilde Fancy 37019, owned by Easthope & Biery; third to Clara Douglas of Riverside, owned by J. F. Converse & Co.; Heifer 1 and under 2—First to animal owned by McCormick & Edgerly. Cow 3 years old or over—First to Clothilde Fancy 37019, owned by Easthope & Biery; second to Tritomia Silene 30764, owned by M. E. Moore; third to Belle of Shellard Born 45012, owned by Easthope & Co.; second to Riverside Empress, owned by J. F. Converse & Co.; third to animal owned by McCormick & Edgerly. Heifer 2 and under 3—First to Colantha verse & Co.; second to accormick & Ed-

Edgerly; second to J. F. Converse & Co.
Champion bull 2 years old or over—
Premium to Jerry Drummond 5580.
Bull under 2 years old—Premium to
Marmaduke.
Com. 2 years old or over—Premium to

Cow 2 years old or over-Premium to ow owned by J. F. Converse & Co. Heifer under 2 years-Premium to Mc-Cormick & Edgerly.

CARE IN FEEDING COWS.

The cow requires not only materials of W. B. Barney & Co.

Breeders' young herd—First to Easthope & Biery; second to W. B. Barney & Co.; third to M. E. Moore

Co.; third to M. E. Moore hope & Biery; second to W. B. Barney & Co.; third to M. E. Moore.
Get of one sire—First to Easthope & Biery; second to W. B. Barney Co.; third to M. E. Moore.
Champion—Bull 2 years old or over—Premium to Barnardo's Tula de Kol 23798, owned by Easthope & Biery. Premium to Barnardo's Tula de Kol 28786, owned by Easthope & Biery.

Bull under 2 years old—Premium to Prince of Homeland 28674, Easthope & Biery.

Cow 2 years old or over—Premium to Clothilde Fancy 37019, Easthope & Biery.

Heifer under 2 years old—Premium to Carlotta Lady Jose 53673, owned by M. E. Moore.

JERSEY CATTLE.

Bull 3 years old or over—First to King Bull 3 years old or over—First to King Sunday and Sunday or sawdust any more JERSEY CATTLE.

Bull 3 years old or over—First to King of Arden 189055, owned by Arden Herd, Jollet, Ill.; second to Gouene Mon Plansis 55996, owned by Arden Herd; third to Emonon, owned by J. E. Robbins, Greensburg, Ind.

Bull 2 and under 2—First to animal owned by J. E. Robbins; second to Czarof Arden 58543, owned by Arden Herd, Bull 1 and under 2—First to Templar's Golden Lad 61062, owned by Arden Herd; second to J. E. Robbins; third to J. E. Robbins.

Bull under 1 year—First to Flying Fox Imp. 6941, owned by J. E. Robbins.

Cow 3 years old or over—First to animal owned by J. E. Robbins.

Cow 3 years old or over—First to animal owned by J. E. Robbins; second to Soconee 3d 11422, owned by Arden Herd; third to Surprise Arden 151296, owned by Arden Herd; third to Surprise Arden 151296, owned by Arden Herd; third to Surprise Arden 151296, owned by Arden Herd; third to Surprise Arden 151296, owned by Arden Herd.













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Horticulture

THE FRUIT EXHIBIT At the St. Louis Fair.

Without doubt, some, probably many, of the visitors to the St. Louis Fair went to the grounds with the expectation of seeing a small and poor display of fruit. But all who did so were, we are sure, agreeably disappointed, for the general testimony is that the show of fruit was e of the best, among the many grand les, ever seen on the St. Louis Fair

H. J. WEBER & SON, nurserymen of St. Louis County, had a very large dis-play of fruit, comprising an exceedingly long llat of varieties, muking a very valcollection for fruit growers to

GEO. SHEPHERD of Lamonte, Pettis GEO, SHEPHERD of Lamonte, Pettis Co., Mo., and old time exhibitor at the St. Louis Fair, made a display of fruit that was simply astonishing when one remembers the unequaled drouth that prevailed in his section of the state this season. He certainly had a very fine collection in quality and number of varieties of apples, pears, peaches, plums and grapes. This collection was especially valuable for its good specimens of various new apples, among which were plates of the Oliver Red, Sweet Rhode Island Greening, Shepherd, Colman's Red and others.

A conspicuous exhibit in Mr. Shepherd's display was home huge bunches of the He certainly had a very fine

A conspicuous earnin and a conspicuous earnin and display was home huge bunches of the Uncle Sam grape, sent by Joseph Bachman of Arkansas. This is a new seedling, which Mr. Bachman has originated. It is certainly a remarkable grape in size and compactness of bunch, and when the back a very pleasant flavor. fully ripe has a very pleasant flavor

OZARK COUNTY FRUIT .- Mr. A. Nelson, Lebanon, Mo., was compelled to make his exhibit of Laclede County and South Missouri fruit in a tent, there not being space available in the Floral Hall. In this tent was also an exhibit of Ar-kansas apples. These exhibits were indeed handsome, and many were the com ats paid to them. Mr. Nelson's apples were pronounced finer in quality than even the superb collection of Missouri apples shown at the Pan-American Ex-position. We did not have the opportunity of learning how many varieties were in the display, or of getting other detailed information regarding it. The display was in charge of Mr. Noel, one of

THE MICHIGAN POMOLOGICAL EX-HIBIT at the great St. Louis Fair was a ter, it will pay better to plow under than fine exposition of the horticultural re- to cut the vines. of that highly favored state. In sources of that nighty havered state. In this exhibit we saw all the old favorite fruits in their beauty and perfection of fine flavor. In apples, Esopus Spitzenburg, Red Canada, Baldwin Belleflower, North-Spy, Rhode Island Greening, Rambo, German sort with the tongue twisting name of Red Betigheimer, and the Wolf River, the profitable hardy sort, which originated in Wisconsin, and of the newer nds the Shiawassee or Michigan Beau-

ly of the finest apples to be grown with uccess and profit.

If I had an acre or more, or less than an acre and wished to obtain from it in pears the beautiful Bartletts, Howells, Beurre Bosc, Anjous and Doyennes, I would proceed as follows, the soil being ells, Beurre Bosc, Anjous and Doyennes, which the Californians have found profitseat, and with all these advantages it likely to become the center of most eccessful orchards and fine fruit growing. We notice the blue ribbon of the Michigan State Fair was awarded to this Charlevoix County collection, and it heavy manuring is safe in fall planting

INFLUENCE OF ALTITUDE ON FRUIT.

Editor RURAL WORLD: There appears to be considerable misconception with many in regard to the benefits of a high location for the general orchard, and especially as to this preventing the killing of fruit buds by late spring frosts. Now, as a matter of fact, the greater the elevation the earlier frosts come in the fall and the later they occur in the spring. This rule will hold good at any point from tide water to the tops of the highest mountains, unless some local, ameliorating condition is present to prevent, such as the tempering influence from a large body of water, the immersuage between the beds must be broader, say two and a half feet. Set the plants are to live and quicker to great advantage.

I will send with the book also an order it will tell him to consume them save by advertising?

I will send with the book also an order if will the body in the best month for fall planting. The ground properly prepared and good plants obtained set them fifteen inches apart and let the rows be fifteen inches apart, but between every series of three rows leave two feet for a walk-may be will be greater to great advantage.

The book will tell you how my Restorative it will be greater to great advantage.

The book will tell you how will be greater the tit curse you, the cost will be \$5.50. If it to curse you, the cost will be \$5.50. If it it curse you, the cost will be \$5.50. If it it curse you, the cost will be \$5.50. If it it curse you, the cost will be greater to be the water of said planting. The ground properl

section of Missouri favorable as well as Acid Phosphate or Dissolved Bone.100 lbs the most unfavorable, no matter what the altitude may be, is a section of country where for several miles the general surface of the country is un-broken by deep ravines or river valleys. The level table lands usually found between two considerable streams of water

In 1893 the Olden Fruit Co. of Howell county, Mo., did not grow a single box of peaches on its 1,300 acres of bearing chard. This orchard is on a smooth tract of table land, and is several hundred feet higher than the orchard of Mr. Gilbert at Thayer, Mo., a few miles distant, yet the latter in that season had a

tion that saved his crop. Peaches, plums, pears, cherries, grapes and strawberries pears, cherries, grapes and strawerries are especially susceptible to injury by spring frosts; with these a sharp eleva-tion above the general surface surround-ing the location of orchards is of the greatest importance, and, it is just as mportant where the altitude is 2,500 feet above the sea as where it is only 500

With apples and several other of the ruits, elevation is less important, but apple growing is of sufficient importance treat by itself. I am quite sure that every reader of the

RURAL WORLD feels a sincere regret for the severe indisposition of Judge Mil-ler. I hope he may weather the storm and be with us again as of yore. St. Louis Co., Mo. J. G. KINDER.

HOW TO RAISE A GOOD CROP OF STRAWBERRIES NEXT SPRING FROM PLANTS SET THIS FALL.

Editor RURAL WORLD: With a little extra pains in preparing the soil and setting the plants a very good crop of strawberries may be raised next spring from plants set this fall. The largest and earliest berries are always produced by fall set plants.

Wherever practicable the best fore-unner of the strawberry is the cow pea The peas should have been sown, or bet-ter still, drilled, early in June. About September 1 the pea vines can be cut for forage. As the fertilizing properties of the pea vine reside largely in the roots t probably, as a rule, pays better to make forage of the vines than to plow them under, especially as the plowing under of a rank crop of pea vines is a difficult and uncertain job. Still if it can be successfully accomplished and the soil contains but little vegetable mat-

But this is somewhat of an ex post facto dissertation. If the above recom-mended plan were followed it has now been carried through. Whether it has or has not the following directions will be equally applicable

Gravenstein, Chenango Strawberry, are in evidence, and the now famous Albe-transfer Preparation is very marie Pippin, known as the most profit public for export, and a hundred other in plowing to a depth of six or eight varieties, some measuring fifteen inches. On stiff, cloddy soil it is more circumference, such as the new sort with the tongue twisting seed Betigheimer, and the Wolf he profitable hardy sort, which complete.

This done one must decide as to what ty. These are most notable and prove that in the Michigan Fruit Belt (which by the way is traversed and best reached by lines of the Pere Marquette at the beginning, more manure and more Railroad) there is still an abundant supply of the finest apples to be grown with If I had an acre or more, or less than

prepared as above recommended: high prices, are grown in even higher perfection and much finer flavor in the Pere Marquette District of Michigan. We tested the flavor and quality of some Buerre Bosc and Howells from the orchard of Mr. Gebbardt of Oceans Co. comparison with California specimens, and must give Michigan credit for equal size and superior quality in flavor of pears as well as her well known advantage in size and superior quality in havor about as well as her well known advantage in apple growing. The exhibit consists of but if the seed is used it must first be 400 plates of apples, 58 of pears, 46 of thoroughly "killed" by wetting and leavgrapes and 35 plates of peaches. Most of the apples are from Charlevoix County, "Charlevoix the Beautiful," as the summer resorters call this place, is the country of the

or meal.

It must be borne in mind that this is very heavy manuring and that such also has won 17 blue ribbons at our own great St. Louis Fair. Mr. Fred M. Benham of Charlevotx, who collected and arranged this exhibit, assisted by his mediate contact with the plant roots and

from a large body of water, the immediate presence of a deep valley or the frequency of fogs during the early hours of the day at that season of the year.

Here in Missouri, where we are far from large lakes and where fogs are soil is dry at planting pour water in the soil is dry at planting pour water in the soil is dry at planting pour water in the

The nitrate of soda can be omitted if the heavy application of stable manure

or cotton seed meal was used.

Care must be taken to destroy all weeds by shallow cultivation early in the spring. The mulch should be applied just before growth begins in the spring. This mulch is to keep the berries clean and should be evenly spread just deep enough to hide the plants when spread. The first rain will beat it down neatly und the plants. If weeds push up est mulch, but almost any kind of straw

h the row. The same plan as to manur-ing can be followed, using it in such usantities as practicable. If cotton seed areal or the seed is used in only modersts should be knocked down very low,

ies may be grown in good garden without any, further manuring, gh ashes will pay well.

The above plan supposes that all runers will be clipped off as fast as they out. They will begin next spring bearing time. If it is followed bed or field can be raised to bear a good crop next spring, and an enormous O. W. BLACKNALL. Vance Co., N. C.

made more of a study of the apple ex-port trade than any others, are consider-ing among other things the desirability of

cerns every apple grower in this country, particularly those located in the cold states. If such a variety could be pro-duced or evolved out of the present varieties in use, it would add millions to our Russian apples are rather inferior in size temperature. and quality. They have excellent keep ing qualities; in fact, remaining hard and green until almost spring time; but they are neither nice and juicy, succuent nor delicate in flavor. Yet the best of these varieties have a certain flavor which seems to indicate a future for hem. The too general disparagement of them seems to be due to lack of suffi-tient patience to test them thoroughly. The right sort has certainly not yet been found, or at least the right cross has not et been made with any of them.

Nevertheless there are possibilities in his direction that may yet revolutionze apple growing for late winter export in this country and in Canada. With the varieties possessing all the hardness and late-keeping qualities, it seems more than probable that the other virtues should in time be added to them by persistent grafting and grafting with our choice native stock. The demand for such late-keeping apples was never more ur-gent and widespread than to-day, and we cannot afford to ignore it. There should be further study and experiment along this line, and in time such labors may be rewarded.

Write and See.

Cetting Well

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you write a postal to learn what to ment makes such an offer possible? Simply state which book No. 1 on Dyspepsia book you want, and book No. 2 on the Heart. Book No. 3 on the Kidneys. Book No. 4 or the Kidneys. Book No. 4 or Women. Book No. 5 for Mon (scaled) Book No. 6 on Rheumatism.

Just how and when to prune is one of ries, blackberries and especially grapes were pruned in the spring after the frost was out of the ground, the water dropped from the cut very freely for a long time brough the mulch pull them out. Pine until the leaves had made quite a start, whenever obtainable makes the I once thought this was of no consemulch, but almost any kind of straw ter can be used.
the North and especially on wet the North and especially on wet to the North and especially on the Nort

Is best to muich the plants well as and I think the correct explanations is laif of this box material has already on as very cold weather sets in and this: No plant can digest its food or grow without sunlight, and good, healthy leaves, which constitute its digestive apparatus. When the leaves drop, if nature has not made provision for starting them.

For ordinary field culture the plants has not made provision for starting them. should be set in rows two and a half or three feet part, and 12 or 15 inches apart in the row. The same plan as to manurof the row. The same plan as to manurof the year when the leaves begin to turn make a fortune.—West Plains, Mo., Gaing can be followed using it in such of the year when the leaves begin to turn yellow the trees are preparing by disesting and storing in the wood this food for starting the leaves in the spring. If the quantities, say 500 to 500 pounds meal the branches of a grapevine standing near your window be brought through into a warm room it will at once leaf out and grow until it has consumed this prepared food and then die, although the knocked down warm low. vine outside would be frozen solid all this about level. Follow same plan of cul-time. We have often had current leaves ure as given for intensive culture.

Out in the spring and make considerable growth, although the roots under the nave been applied last spring and followed by a crop of peas or vegetation or readily see that to open the grain of the any kind it would have been better than wood in the spring and cause the water the fall application. Excellent straw- to flow through it would wash this assimilated food out of the wood and thus shorten the life of the plant. All this will be avoided if the pruning

be done in the fall so the grain of the wood can be closed by drying and filling up with a gum which collects for that purpose. Another advantage is that these long laterals thrash about in the wind all winter, often breaking the canes by me in the spring of 1903. Taking it for furnishing a lodgment for snow. There granted that only the best varieties are are often insects, particularly the white cricket, as well as fungi which pass the winter on these laterals, and can be de-stroyed by pruning and burning the clip-pings early in the winter. With trees, and The Canadian apple growers who have different. We have other things to contend with. If you cut a limb in December or January, the wood dries and the bark lifts so that it cannot readily heal finding more choice late-keeping apples. over. A dry rot is likely to set in and The best export prices for apples are paid that the superior season, and it is at this time that the supply is small and quality poor. Most of our winter apples have wound, protecting it from the air, and then leaf that the supply is small and quality poor. Most of our winter apples have tate in the winter season, and it is at this if the tree be left until March, when the time that the supply is small and quality poor. Most of our winter apples have then lost their firmness of texture and if the limb is not too large, it will heal eating qualities. In spite of improved over the first summer. Another great cold storage, they do not retain their danger, especially on peach trees, is of quality as we would wish, writes C. S. Walters in the "American Cultivator." bright, sunshiny days of February. Probably more fruit is destroyed at that time ety of late-keeping apple is one that contains and the statement of the contains and the co sun are very weak at this season, and therefore are easily broken. We have noticed that along the road where the leafless maples stand, the snow does not melt, while on clear ground it is thawexport trade in apples. In Canada the ing very fast. The fine brush in the tree powers are making earnest efforts to find such a variety by crossing several of the Russian expless constants. powers are making earnest efforts to find such a variety by crossing several of the Russian apples on native stock. Buds would very rarely swell if The trouble seems to be that most of the

USE OF CRUDE PETROLEUM IN OR-

The varying and sometimes disastro results obtained from the use of refined petroleum on growing trees, as an insecti cide, and especially against the San Jose scale, have led to the suspicion that the crude product might be less variable and drastic in its effects. But so far as it has been used it would appear that we have yet much to learn, before we can with safety, recommend the application of the crude product to the different varieties of fruit trees. That it is efficient in destroying the San Jose scale if it is brought in contact with this insect seem now quite probable. But the hundreds of dead trees that mark the areas where it has been indiscriminately used, point very clearly to the fact that great caution is necessary, and no one is, as yet, able to say just where safety comes and begins. Then, too, when no permanent injury is apparent, as in the case of the seedling apples on the ground of the Ohlo Agricultural Experiment Station, who can say that this unnatural retardation may not, after the first application, prove to be a menace to the life or eneral vigor of the tree? It is well-nown that in nature these retardations metimes occur, but nature seldom, if ever, covers the bark of a tree or shrub, and then only in part, with vegetable known to be detrimental, a smooth, clean bark being always desirable. In the use brother, A. D. Benham, is Michigan's do great harm if the weather should be terstate and West Indian Exposition, and designs to make the Horticultural Exposition at Charleston do justice to his native state.

INFLUENCE OF ALTITUDE ON FRUIT.

In the selection with the plant robust and to great harm if the weather should be applies to your case. See what I have to say. You can't know too much about ways to get well.

My way is not less effective because I tell you about it. There are millions of cases which nothing else can cure. How and of refined petroleum, one of the most perspective to your case. See what I have to say. You can't know too much about ways to get well.

My way is not less effective because I tell you about it. There are millions of cases which nothing else can cure. How and every make the distribution of the residual product for general use has in many cases, resulted disastrously and brought in the beat of refined petroleum, one of the most perspective to your case. See what I have to say. You can't know too much about ways to get well.

My way is not less effective because I the despit of the most perspective persons. The fact that, equally careful applications applies to your case. See what I have to say. You can't know too much about ways to get well.

My way is not less effective because I the despit of refined petroleum, one of the most person, with the same person, with the same person ways to get well.

My way is not less effective because I the despits applications applies to your case. See what I have to say. You can't know too much about ways to get well.

My way is not less effective because I the despits applies to your case. See what I have to say. You can't know too much about ways to get well.

My way is not less effective because I the supplies to your case. See what I have to say. You can't know too much about ways to get well. no little disrepute to the entomological raternity of this country. The most that can now be said for the refined product is that a ten to twenty per cent mixture with water constitutes a fairly successful scale, thereby checking the increase a spread until applications of whale soap mixtures can be made.—Prof. F. Webster, Ohio Experiment Station.

To be convinced that "Peach King" Mc-Nair deserves his title one need only visit his great farm at St. Elmo, Mo., and take a look at the preparations that have been made to handle the peach crop. New buildings have been erected, tents put up and packing sheds bufft all over the vast buildings have been erected, tents put up and packing sheds bufft all over the vast orchards. At St. Elmo, two miles below Koshkonong, the headquarters of Mr. McNair have been established. This is right in the center of his immense orchard of 1,900 acres, all planted in peaches. To handle the fruit Mr. McNair will need about 800 hands, and he will pay 7 cents per hour for men and 5 cents per Here in Missouri, where we are far from large lakes and where fogs are not seen a half deven times in a year, whatever immunity from late spring frosts the fruit grower can hope to relyon, is the proximity of some deep depression to receive the volume of coldair as it descends. Cold air always settles to the lowest point. Nearly everyone must have noted the difference in the temperature in deep hollows from that on the top of hills, when traveling over a broken country at night.

Mere altitude cuts no figure if the general surface of the country is smooth. As for instance, that section of country surrounding Springfield, Marshfield and Lebanon, Mo., has an altitude approximating 1,500 feet, or about 1,000 feet more many late of then of the first enverse than St. Louis County. Yet the latter has grown more peach crops in the least ten years than the former section.

It is not difficult to find in almost any

tered in the barracks which were used Just how and when to prune is one of the most important things the fruit grow-er has to consider—indeed, takes an ar-tist to do it just right. The habits and peculiarities of the bush are potent fac-tors, and should be carefully studied. We have all noticed that when raspber-women will each have a number, so that women will each have a number, so that they can find their respective places at the tables. Thirty cooks will provide the grub necessary for his large army of fruit handlers.

Exactly 75 double deck wagons have been provided for hauling the fruit from the trees to the packing house at St. El-mo. Ten thousand picking baskets are already at the farm, together with ma-Gilbert at Thayer, Mo., a rew mines distant, yet the latter in that season had a fine crop. His orchard, however, was on the bluff 200 feet above the valley that was within a stone's throw of one that was within a stone's throw of one remove the mulch in early spring, scattering it then around and between the latter with marked difference, and I think the correct explanation is soon as very cold weather sets in and the contract of the mulch in early spring, scattering it then around and between the leaves, which constitute its digestive application. The contract of the plants will be a few in the faul and contract in the spring already at the farm, together with marked difference, convinced me of the marked difference, and I think the correct explanation is been put together ready for packing to the very cold weather sets in and I think the correct explanation is been put together ready for packing to grow without sunlight, and good, healthy terms are any at the farm, together with marked difference, and I think the correct explanation is been put together ready for packing to grow without sunlight, and good, healthy terms in the spring arready at the farm, together with marked difference, and I think the correct explanation is been put together ready for packing to a few in the fault of the same and a few in the fault of the same and a few in the fault of the same and a few in the fault of the same and a few in the fault of the same and a few in the fault of the same and a few in the fault of the same and any arready at the fault of the same and a few in the fault of the same and a few in the fault of the same and a few in the fault of the same and a few in the fault of the same and a few in the fault of the same and a few in the fault of the same and a few in the fault of the same and a few in the fault of the fault of this box material has a few in the fault of the f

DRONES IN AUTUMN.

It is a very rare honey season that is so good and lasts so long that the bees retain their drones until autumn, and it is also rare that there is such a honey flow in autumn as to induce the bees to rear in autumn as to induce the bees to rear ent-live hee keepers." in autumn as to induce the bees to rear drones. The appearance of drones about a hive in autumn is pretty good evidence that the hive is queenless, for all queenless colories will retain that drones. It is not the best particular to the subject of the present of the property of the pro drones. The appearance of drones about a hive in autumn is pretty good evidence that the hive is queenless, for all queenless colonies will retain their drones. It is either a sign of a very prosperous columbus to much the bee keepers. "Well," I answered casm, "I aim to use that the hive is queenless, for all queenless colonies will retain their drones. It is either a sign of a very prosperous columbus the property of the prop ony or a queenless colony thus out of about bees?" ison. Bees usually destroy their drones in midsummer or pretty soon after the honey harvest is gone. A colony may turn up largely composed of drones, thus produced by fertile worker bees. The colony will first become queenless, and a failure to raise another queen, some of the worker bees take upon themselves the responsibility of laying eggs, and such eggs hatch to drones, and thus the colony will be principally made up of drones. This is very easily detected as these drones are bred in worker cells, and the bear either produced by fertile workers or by unfertile queens. The uncertile queens are bred in workers or by the same bees for more in fifty years, mostly fertile workers or by unfertile queens. fertile queen is as much of a failure as are fertile workers, as both produce the same thing, writes A. H. Duff in "Farm, Field and Fireside."

and the left of more intry years, mostly in Missouri, and then left cen to me are fertile workers, as both produce the when he died. He told me once that this twaddle about queen bees was of the same piece with the new-fangled hive, and

Many queens prove to be unfertile and I should leave well enough alone if I will never be anything but a drone producer. The cause of this is very simple and easily understood. The young queen meets the drone or male bee in the air on the wing in all cases where fertiliza- question?" from some cause the queen cannot fly, which is often the case from defective wings, she will never be able to receive fertilization and hence never produce worker bees. She will lay eggs and these eggs will hatch to drones exclusively. The eggs are deposited in the regular worker cells in the same manner as that of the fertile worker, but the quality of these drones in both cases being very poor, they being much smaller than the tion takes place, and if it happens that these drones in both cases being very "Where do you market your hoor, they being much smaller than the Mr. Grooveman? You must have Such colonies as these a ordinary drone. are of no value whatever and should be supplied with good queens.

THE BEE BUSINESS.

Bee keepers in these and wide surones" in answering the question as to what is best to combine with bees, have replied, "More bees." If this is a correct conclusion, and various reasons indiate that it is, why not improve this appounds of sich honey as that from m parently enforced season of idleness by fifty stands-but ginerally it was le changing it to one of activity in the way of reinforcing for seasons yet to come? In answer to the question, "How about the bees?" one of our most enthusiastic experience for twenty-five years." and financially successful bee keepers of this vicinity remarked: "Oh, the bees will just about all leave us this winter." That supplied me with food for reflection. The unprecedented drouth has placed stockmen in calamitous straits. rather than run greater risks in the once beautifully green but now brown, barren and unwatered pastures. The more fortunate few may possibly be enabled to of what I wish to impress upon the mind

-Progressive Beekeeper.

else are bees good for?) it is absolutely essential to success to know what to do, how to do it, when to do it, and when

not to do it. It is easy to kill a colony of bees by

neglect.
The fact is, nearly all that kind of mischief is caused by neglect. This is true as it regards that class of becsummer wash and destroys the young scale, thereby checking the increase and spread until applications of whale oil—that is, for all the honey it is possible to get from them. I will not here point-GREATEST PEACH FARM IN THE work.

WORLD.

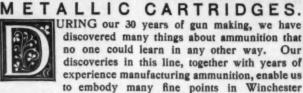
THE safe in asserting that it does not generally apply to regular beekeepers—those

tend to, learn how to keep bees for profit—that is, for all the honey it is possible to get from them. I will not here pointedly designate the class of bee-keepers to whom this applies, lest I thereby tread on some one's pet corn; but I am quite safe in asserting that it does not generally apply to regular beekeepers—those who study and therefore understand, more or less thoroughly, the science of apicular beekeepers—those who study and therefore understand, more or less thoroughly, the science of apicular beekeepers—those who study and therefore understand, more or less thoroughly, the science of apicular beekeepers—those who study and therefore understand, more or less thoroughly, the science of apicular beekeepers—those who study and therefore understand, more or less thoroughly, the science of apicular beekeepers—those who study and therefore understand, more or less thoroughly, the science of apicular beekeepers—those who study and therefore understand, more or less thoroughly, the science of apicular beekeepers—those who study and therefore understand, more or less thoroughly, the science of apicular beekeepers—those who study and therefore understand, more or less thoroughly, the science of apicular beekeepers—those who study and therefore understand, more or less thoroughly, the science of apicular beekeepers—those who study and therefore understand, more or less thoroughly, the science of apicular beekeeping seem to be very fond of bees—the open nostrils of the animal he bestrides renders ingress and egress easy to a swarm of bees temporarily without a home. They investigated the interior of the giant beet of them—they must been tolling filling their bear annoys them—niggardliness runs them. In starting right there is great gain.

In introducing queen bees, some use scented water which is quite sweet. Essence of peppermint is generally used for the spiral three sweet with the province of the spiral three days of the animal he bearing the bees will be to secure the honey without injury to the province o that.

If you'll send your address, I'll send you the Index to Lamps and their Chimneys, to tell you what number to get for your lamp. MACBETH, Pittsburgh.

WINCHESTER



Metallic Cartridges for rifles and revolvers which make them superior in many ways to all other brands upon the market. Winchester cartridges in all calibers are accurate, sure-fire and exact in size; being made and loaded in a modern manner by skilled experts. If you want the best INSIST UPON HAVING WINCHESTER MAKE OF CARTRIDGES.

But when saying this, I do not inthen to be understood that all those who keep from 25 to 100 "stands" of bees are invariably this kind of bee-keepers, though they may think they are and openly profess to be. No, there are careless men among this class. Not many, to be sure but several to the street of the street be sure, but enough to "go round."

"But what is it you would like to ask

"In the first place," he replied, "I wish you would tell me what a 'king bee' looks like, and how you go at it to catch him

when you want him." "King bee? King bee?" I asked, mus

"Sartinly! And, what is more, I've

a quantity to dispose of, especially such a season as this," I suggested. "I don't know nothing about market-

tell you. I sell my honey mostly to my pers in these and wide sur-arts have little to occupy their less to engage their hands, so business. She cuts the comb out of the ast perforce cast about to find employ- boxes and puts a piece or two into a car Quite a number of the "knowing and then pours the can full of strain

ing honey; but if you mean selling, I can

This to me was interesting "bee talk"
—interesting from several points of view.
Mr. Grooveman was also very much interested from his point of view, and had seemingly forgotten all about the ques-Many tions that were on his mind when he are sacrificing their stock on the markets first spoke to me concerning the "king

ardations ledom, if of the the wind of the reader, that I am unwilling to them the "more fortunate?" This forcible these are of the case when everything depends on the use the use the case when everything depends on the use when everything depends on the use when everything depends on the case when everything depends on the use when everything depends on the application.

"The honey bee," said Josh Billings, "iz

"The honey bee," said Josh Billings, "iz an inflammible buggar, sudden in his impressions und hasty in his concluzions or end."

Form a letter just at hand it would seem that at least one person thinks the bees build their combs, while in a wild state, or in box hives, "exact with the poles," but all close observers know that such is not the case. I have seen combs such is not the case. I have seen combs or K. HARRY STEEL WORK. directions.

Replying to a questioner: Young queens go out to meet the drones when between five and fifteen days old, usually when from seven to nine. This is accomplished

gressive Beekeeper.

MACBETH.

No. 2 Hand Power Pea Huller. Guarantee to hull and clean from 16 to 15 bushels of peas per hour or twice as great a capacity as any other machine made. Write for prices and particulars to the Star Pea Machine Co., Chattanooga Tenn.

Stops the Cough and Works off the Cold

A small smoker is preferred and bee escapes are of value for clearing supers of bees if properly used.

Stops the Cough and Works off the Cold Laxative Bromo Quinine Tablets cure a cold in one day. No cure, no pay. Price 25 cents.

FARMS.

Oklahoma lands for sale, SEAWELL & VANDERGRIFT, Hobart, O. T.

OFT OUR FREE LIST of Farm Bargains. S. H. Morton & Co., Gen. Land Agts. Agricult aral, Mineral, Coal and Timber Land. Office, 83 Lincoln Trust Building, 84 Louis.

Cash Buyers for Real Estate may be found through me, no matter where located. Send description and price and learn my successful method. W. M. Ostrander, North American Bldg., Philadelphia. See my page ads. in Munsey's, Harper's, and all magazines

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d "THE CORN BELT," a han onthly paper, beautifully illustrated ontaining exact and truthful informa out farm lands in the West send 25 cents in postage stamps for a

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his Mill Does



IF YOU WANT

PAGE WOVEN WIRE FENCE CO., ADRIAN, MICH Is There Any Reason



BEFORE BUYING PIPE



LEE'S STATUE FULL OF HONEY

Richmond, Va., Oct. 1.-In the western

If foul brood appears, remove the bees at once to a new hive. The infected hive

Live Stock

Oct. 25—National Galloway sale at Kan-sas City, under the auspices of the American Galloway Breeders' Associauglas, Ill., Shorthorns.

Hev. 5-4.—B. O. Cowan, New Point, Mo., and W. T. & H. R. Clay, Plattsburg, Mo., at Kansas City. Shorthorns. Nov. 5, 1901.—Combination sale Shorthorn Cattle, Sturgeon, Mo. J. J. Littrell, J. F. Keith and E. S. Stewart, Sturgeon, Mo., and J. H. Cottingham, of Clark,

Mo. 12-12.—Purdy Bros., Harris, Mo., and D. L. Dowdy & Co., Arrington, Kas., at Kansas City, Mo. Shorthorns. Nov. 14-15.—Sale of Berkshire and Jersey cattle. Biltmore Farm Annual, Biltore, N. C.

ov. 19, 1901-I. A. Novinger & Sons, Bhorthorns, Kirksville, Mo.

Dec. 10, 11, 12 and 12.—Kirk B. Armour and Jas. A. Funkhouser, at Kansas City. Hereford cattle.

Dec. 18.—C. D. Bellows, Maryville, Mo., at South Omaha. Shorthorns.

Dec. 18-19, 1901—Gudgell & Simpson, C.

A. Stannard and Scott & March, Here-inuary 22 to 21, 1902 — Control of the Contr

fords, at Fort Worth, Tex.

January 25 to 31, 1962.—Sothams' annual
Criterion Sale, at Kansas City.

Jan. 14, 15 and 16.—Cornish & Fatten, Osborn, Mo., and others, at Kansas City,

Mo. Hereford cattle.

Peb. 11-13, 1962.—Redhead Anisty, Boyles
and others, at South Omaha, Neb. Hereford cattle.

March 6-7.—I. M. Forbes & Son, Henry,
Ill.; J. F. Prather, Williamsville, Ill.;
B. E. Prather & Son, Springfield, Ill.;
C. B. Dustin & Son, Summer Hill, Ill.;
T. J. Wornall, Mosby, Mo., and others,
at Chicago, Ill. Shorthorns.

March 11.—W. P. Nichols, West Liberty,
Iowa. Shorthorns.

March 11.—W. P. Nichols, West Liberty,
Iowa. Shorthorns.

11.—W. P. Nichols, 11.—W. P. Nichols, 11.—W. P. Nichols, 11.—C. E. McLane, Danville, Ind., 19.—C. E. McLane, Danville, Ind., dianapolis, Double Standard Polled at Indianapola.

Durhams.

The "National Hereford Exchange" unmanagement of T. F. B. Botham, as

Manager, Stock Yards, Man. Mo. G. E. Leslie, Memphis, Mo. E. E. Axline, Oak Grove, Mo. 21.—E. E. Akine, Cal Grove, Mo. 22.—J. T. Robinson, Bates City, Mo. 24.—F. H. Schooler, Rockport, Mo. 25.—W. N. Winn & Son, Kansas City,

0.

36.—T. H. Martin, Kansas City. Mo. 28.—C. E. Pogue, Findlay, Ill. 4.—J. W. William, Cisco, Ill. 5.—H. O. Minnis, Edinburg, Il. 6.—C. C. Brown, Heyworth, Ill. 7.—D. J. Walters, Kumler, Ill. 12.—A. G. Woodbury, Danville, Ill. 13.—E. H. Wane, Douglas, Ill. 14.—E. b. J. Jimison, Oneida, Ill. 15.—W. J. McKibben, Garden Prai-Ill.

III.
19.—Victor Wiley, Fuller, III.
20.—H. G. Davis, Woodland, III.
22.—J. B. Fink, Herborn, III.
23.—Kansas City, Mo. Galloway sale. ABERDEEN ANGUS CATTLE Gavock, mgr., Chicago. Gavock, mgr., Chicago. April 10-11—Combination sale, W. C. Mc-

Gavock, mgr., Kansas City.

June 10-11—Combination sale, W. C. Mc-Gavock, mgr., Chicago. NATIONAL SHORTHORN SHOWS AND SALES.

Oct. 16-25-Kansas City, Mo. Nov. 15.—Kansas City, Mo.; Messrs. and H. T. Grooms of Staked Plains

Farm of Panhandle, Tex.

Nov. 7.—At Sturgeon, Mo.; by Messrs, J.

J. Littrell, Dr. J. F. Keith, E. S. Stewart, all of Sturgeon, and J. H. Cottingham of Clark, Mo.

Dec. 2-7—Chicago, Ill. Dec. 5-6—Chicago.

NATIONAL HEREFORD SHOWS. as City, Mo. Dec. 2-7-Chicago, Ill.

NATIONAL HEREFORD SALES. 23-24-Kansas City, Mo. Oct. 22-23-24—Kans Dec. 3-4—Chicago.

ANIMAL BREEDING.

This is the title of a work by Prof. Thomas Shaw, which has recently been received at this office. Progressive stock breeders are fully conscious of the care-ful investigations and close study that Prof. Shaw has been pursuing for years in this line. He is regarded as eminently proficient to give the best and latest inproficient. A cursory examination of Francis and Mr. Paul Br. reader that the author has handled a difficult and complex subject in a way that brings it down to the level of the com-prehension of everyone. A careful read-

tency, in-and-in breeding, line breeding, fecundity, the relative influence of par-ents, the influence of a previous impregnathat affect the determination of sex, nutrition, quality in live stock, the coat and influences which affect it, the influence of artificial conditions, early maturity, pedigree, animal form as an index to qualities, selection, cross breeding, improvement. The Province of the control of the

When farmers are considering the books to be added to the home library, let "Animal Breeding" be found among those selected. Published by Orange Judd Company, New York. Price, post-

Give the freaks and side shows the gu-



KANSAS CITY SHOW AND SALE.

breeding and rare individual merit will be found in this sale, and breeders wanting an infusion of fresh, rich blood in the root wall to attend 8 drag will do well to attend 8 drag with the roots at the compiter. good Shorthorns was successfully made at Newton. Iowa, Oct. 3, where a splendid lot of cattle sold for the very gratifying average of \$666.59. That future sales will be good there is every reason to believe, and the Association congratulates the brack-draw of the country. On the out ook and invites their attendance at the great show and sale at Kansas City, Oct.

Springfield, Ill. WORLD'S FAIR LIVE STOCK MEET-ING.

There was a large and influential delegation of live stock breeders in session at the Lindell Hotel, St. Louis, October 10, 1901, to consider and plan for the live stock exhibit at the St. Louis World's Fair. The gentlemen in attendance represented the seventy-six National Live Stock Breed-Associations of the United States.

In the absence of the chairman, Ex-Gov. Norman J. Colman, who had been unexpectedly called to Texas, the chair was filled by Hon. Charles E. Leonard, the President of the American Shorthorn Breeders' Association. Col. Charles F. Mills, for years Secretary of the American Live Stock Association, acted as Secretary of the meeting.

Mr. Leonard, on assuming the chair, SHORTHORN COMBINATION SALE. called attention to the magnitude of the the deep interest taken in the World's Short Fair at St. Louis by the breeders of improved stock. The proceedings of the tle. proved stock. The proceedings of the delegates of the various meeting of the delegates of the various J. J. Littrell, S. P. Emmons, E. S. Stewart, Dr. J. F. Keith and J. H. Cottingham, and the color of the proceeding and proceeding and of good quality. There are presentatives had been called for the purpose of perfecting arrangements for a large and comprehensive exhibit at the World's Fair of all the improved breeds large and comprehensive exhibit at the World's Fair of all the improved breeds

f domestic animals. Hon. N. P. Clark, of St. Cloue, President of the National Live Stock Association, was made permanent President of the organization, and Col. Charles F. Mills, Secretary. Hon. A. P. Grout, the President of the Illinois Live Stock Breeders' Association, was made Treasurer. The following members of the Committee and the Association or breeds they represent, were in attendance personally or by proxy, in addition to the above: Frank Rockefeller, Cleveland, Ohio; President American Hereford Breeders' Association, represented in proxy by Charles R. Thomas, Kansas City, Secretary of said Association; C. M. Winslow, Brandon, Vt., Secretary of the American Ayrshire Breeders' Association; Geo. F. Biltmore, N. C., of the American Persey Cattle Club: R. B. Ogilvie, Madison, Wis., Vice-President of the American Clydes-dale Association; N. H. Gentry, Sedalla, President of the American Berkshire Association; W. L. Addy, Parnell City, Mo., National Duroc Jersey Swine Breeders' Association; Frank Harding, Waukesha, Wis., American Cotswold Sheep Breeders, Association; J. G. Massey, Fort Logan, Colo., President of the Hampshiredown Sheep Breeders' Association; Prof. C. F. Curtiss, Ames, Iowa, Dean Iowa Agricultural College; Col. W. M. Leggett, St. Anthony Park, Minn., President of the Minnesota Agricultural Society, and W.

ternational Live Stock Show. Mr. Robert Aull, Secretary of the Committee of Agriculture, St. Louis World's Fair, was invited to address the meeting.

"With reference to the unavoidable absence from the city of both President Francis and Mr. Paul Brown, Chairman of the Committee on Agriculture, it be-comes my pleasant duty to welcome your body to the city, which I do most heartprenension of everyone. A careful reading will impress one still more with the
value of this work. The breadth of this
work is shown in the way to whom it is
dedicated. Prof. Shaw says: "To my
brethren, the teachers of animal husbandry, to the students of the Agricultures.

We are united in a compensate with us.

Of October. From points outside the 200full rate the rate will be one fare plus \$2
for the round trip. Tickets to be on sale
from the 19th to the 23d of October and
good for return until the 28th. This undoubtedly means many additional visitover 1 or 1903, one gathers
good for return until the 28th. This undoubtedly means many additional visitover 1 or 1903, one gathers
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good for return until the 28th. This undoubtedly means many additional visitover 1 or 1904, one gathers
good for return until the 28th. This undoubted ily. In contemplation of the live stock exhibit, which has been determined upon for the World's Fair of 1968, one gathers from the 19th to the 23d of October and brethren, the teachers of animal husbandry, to the students of the Agricultural Colleges, and to all interested in the growing of live stock in the United States, this work is most respectfully dedicated by the author." And this broadness of spirit and adaptation of the work to those dedicated is fully exemplified by the titles of the 30 chapters of the book, which are as follows:

Breeding live stock, a standard of excellence, the law that like produces like, the law of principle of variation, the law of atavism, heredity of normal, abnormal and acquired characters, heredity of disease, the law of correllation, prepotency, in-and-in breeding, line breeding, fecundity, the relative influence of many contents of the several breeds and interests concerned as follows:

Breeding live stock, a standard of excellence, the law of principle of variation, the law of principle of variation, the law of principle of variation, the law of correllation, prepotency, in-and-in breeding, line breeding, fecundity, the relative influence of many contents of the stock exhibit ever known. In this undertaking no sectional lines must be drawn. It is not alone of this city, or this State, or of the Louisiana Purchase States, or even of America, but it is to be an exhibition of a distinctly international character, in which the world will be invited to compete. The Committee on Agriculture will give careful consideration to such recommendations as you may of atavism, heredity of normal, abnormal and acquired characters, heredity of disease, the law of correllation, prepotency, in-and-in breeding, line breeding, line breeding line line with a line and the breeding line breeding line line with a line and the line with the line of the state of the state of the state of the law of the law of the line with the world will be invited to compete the world will be i ry, to the students of the Agricultural We are united in a common mission—that

The meeting then proceeded to the elec-tion of an Executive Committee to rep-resent the several breeds and interest concerned as follows: Beef cattle, Charles E. Leonard; dairy cattle, Geo. F. Weston;

selection, cross breeding, improvement through grading, forming new breeds, the influence of environment, castration and character of the Executive Committee. Addresses were then made on the scope and character of the live stock except and character of the Executive Committees and the live stock except and character of the Executive Committees and character of the live stock executive Committees and charact and spaying, mating animals, when farmers are considering the W. F. Stiener Goe F. Waston C. F. Cup. W. E. Skinner, Geo. F. Weston, C. F. Cur-

A motion was also adopted, asking the managers of the World's Fair to provide a fund for cash prizes for the live stock exhibit of not less than \$500,000. The Executive Committee was instructed to take steps to secure an additional \$500,000 for steps to secure an additional \$500,000 for the live stock exhibit. The President was authorized to appoint a man of influence and ability to attend the annual meeting & Son.

It is a second to same; third to Reynolds & Son.

Heifer, under 1 year—First, McHenry; second to same; third to Reynolds & Son.

Heifer, under 1 year—First, McHenry; second to same; third to Reynolds & Son.

Heifer, under 1 year—First, McHenry; second to same; third to Reynolds & Son.

Henry; second, Bradfute & Son; third to Reynolds & Son.

Aberdeen-Angus—Breeders Young Herd

President of the National Live Stock -First, McHenry: The outlook for the Kansas City Show and Sale is very promising. Nearly 200 intries for the show have been received, representing 30 exhibitors.

Sale catalogs are now being sent out sale catalogs are now being sent out. and will be mailed to all applicants. The cattle offered in this sale are an excellent lot, being taken from the herds of such well-known and thoroughly reliable breeders as N. P. Clarke, G. M. Casey, H. C. Duncan, Hanna & Co., Geo. Bothte.

their herds will do well to attend. Some very superior young bulls will be sold. Shorthorn breeders have come nobly to the support and defense of the breed, as evidenced by the splendid sales of this year. Another test of the demand for Live Stock and Dairy Department of the check the support and the splendid sales of this year. Another test of the demand for Live Stock and Dairy Department of the check the stream of the strea

the breeders of the country on the out- live stock breeders throughout the world would take a great interest in the St. Louis World's Fair.

DISEASED CATTLE.

Editor RURAL WORLD: I wish to ask you or your readers what is the trouble with the cattle this fall, the trouble being mostly with the cows. They seem to ration of live stock breeders in session at the Lindell Hotel, St. Louis, October 19, 591, to consider and plan for the live stock about. They will eat almost anything whibit at the St. Louis World's Fair. The but fall off in flesh and sometimes die. I have heard of no cause or name for the disease or any remedy. Can you tell the

ause and give a remedy?
Butler Co., Kan. A FARMER.
Will those readers who have suffered from a similar disease among their herds report as to their observations and remedies used, and of cure effectea: Such reports will help this correspondent seek-ing information and will doubtless aid many farmers.

Shorthorn cattle at Sturgeon, Mo., Nov. 1, of Scotch and Scotch-topped cat-The offering is from the herds of

Mr. E. S. Stewart of Sturgeon is secretary. You should address him for a catalog. If you want some good Shorthorns that have been regular breeders and topped, attend this sale and get them at your own price. Don't forget the date

STOCK NOTES.

FANCY PRICES FOR CATTLE .- Mattoon, Ill., Oct. 4.—Robert Ginn, vice-president of the Mattoon State Savings Bank, has sold to Joseph Hunter, treasurer of Edgar County, forty-three head of Polled Angus cattle, which brought the unprecedented price of \$8.50 per hun-dred weight as they grazed in the field. Mr. Hunter shipped the cattle to the National Live Stock Association Show at Pittsburg. Pa., and hopes to carry off um in the Polled Angus class.

THE HEREFORD PEOPLE are confidently expecting a record-breaking sale during the week of the American Royal Cattle Show and Sales at Kansas City, October 21 to 26. The uniform high quality of the sale cattle, their generally desirable ages and the large number of of Mary B. Greene 4th, by Prince Royal breeders represented, make this sale, altogether, an occasion that should not be missed. Herefords will be sold Tuesday, Wednesday and Thursday afternoons, October 22, 23 and 24. Write C. R. Tho E. Skinner, Chicago, General Manager In-

THE RAILROAD RATES for visitors to the American Royal Cattle Show and Sales at Kansas City, October 21 to 26 have at last been settled, and we are glad to announce that they are very satisfac-tory. From points within 200 miles of Kansas City the rate will be one and one-third fare for the round trip. Tickets to be on sale from the 18th to the 26th of October. From points outside the 200-

or oil of tar diluted with any common oil, also keeps files at bay for a while. So does carbolized oil, in almost any propor-tion, but they are none of them lasting enough, or cheap enough, for practical consumption, although serving on a very hot day, when perhaps one has to driv

AWARDS AT ST. LOUIS FAIR.

ABERDEEN-ANGUS - Bull, three years old or over-First, D. Bradfute & tiss, W. M. Leggett, N. H. Gentry, A. P. Son, Cedarville, Ohio; second, to W. A. Grout, C. E. Leonard and others.

A motion was adopted requesting the Bull, 2 years and under 3—First, Ed-

President and Secretary to prepare and win Reynolds & Son, Prophetstown, Ill. President and Secretary to prepare and distribute a circular setting forth the importance of making the live stock exhibit at the St. Louis World's Fair the largest and best ever held.

A motion was also adopted, asking the

Aberdeen-Angus-Get of one sire-First, McHenry; second, Reynolds & Son; third,

HEREFORD BEEF BREED.-Bull. 2 years old and under 2—First, O. Harris, of Harris, Mo. No second or third. Bull, 1 year and under 2—First, Harris;

Best cow, 3 years or over-First, Har Heifer, 2 years and under 3-First, Har

Heifer, under 1 year-First was taken

by Harris and the second went to same Hereford aged herd—The first was cap-ured by Harris. No second or third. Hereford breeders young herd—First, Get of one sire-First, Harris

Produce of one cow—First, Harris. Champion bull, 2 years or over—Harris. Champion bull, under 2 years—Harris. Champion cow, 2 years or over—Harris. Junior champion helier, under 2 years-SHORTHORNS.-Best buil, 3 years and

over—First, Geo. Harding & Sons, of Waukesha, Wis.; second went to G. G. Robbins & Sons, of Horace, Ind. Bull, 2 years and under 3-First, Geo Bothwell, Nettleton, Mo. No second

third. Bull, 1 year and under 2-First, Both

Bull, under 1 year-First, Harding Sons: second. Gentry: third, Harding

Cow, 3 years and over-First, Harding & Sons, and the second to Robbins e Heifer, 2 years and under 3-First, Rob

bins & Sons; second, Harding & Sons; third. Bothwell.

third to same. Heifer, under 1 year-First, Robbins & ond, Harding & Son orthorn, aged herd—First, Robbins & ; second, Harding & Sons. ons; second, Harding & Sons. Shorthorn—Breeder's young herd—The

blue ribbon was taken by Robbins Sons, and the red by Bothwell, Shorthorn—Get of one sire—First, Both-well; second, Robbins & Sons. Shorthorn—Produce of one cow—First

Harding & Sons; second, Bothwell. Shorthorn champion-Champion bull. years or over-Harding & Sons. Champion bull, under 2 years-Both

Champion cow, 2 years or over-Robbins Junior champion heifer under 2 years-

THE COWAN SALE .- Don't miss the public sale of the entire herd of Short-horns owned by B. O. Cowan, New Point, Mo., which will be held in the Kansas City sale pavilion, Wednesday, November 6, 1901. It will include 55 head of cattle richly bred and good quality. The Cowan herd of Shorthorns is one of the best in the land and now that it is being dispersed (Mr. Cowan is assistant secre tary of the American Shorthorn Breed ers' Association and located at Spring-field, II.), an opportunity to get founda-tion stock of unsurpassed breeding and quality is offered. In the offering will be such cows as Mysie 50th out of Mysie 45th, a noted prize winner, and sired by Velveteen Prince, a Cruickshank bull of great scale; Poppy Cruickshank, out of Poppy 69th by Victor Knight 110515, is



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on the 31st inst. Eleven American Cattle Club Jerseys, Females. For catalogue and particulars address, E. J. SMITH, Atty.,

Cameron, M The Best Dishorner. CONVEX DISHORNER. Illumented GEO. WEBSTER,
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Grant Geo. WEBSTER,
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Public Sale

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SHORTHORNS

-AT-

MACOUPIN CO., FAIR CROUNDS, Carlinville, III.

THURSDAY OCT. 31, 1901.

Consisting of sixteen bulls, from ten to twenty months old and fourteen yearling and two-year-old heifers. We extend a cordial invitation to all to attend our sale. Come and get some bargains. Catalogue

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R. S. WILLIAMS, Liberty, Mo. Breeder of high-class Angus cattle. Zaire 17th, 49653, a grandson of imp. Emlyra 19211, and famous Black Mosk in service. Choice young buils and females of the richest breeding and individually first class for saile. All leading families represented.

Camp Creek Herefords le. Inspection invited. Cail LOUIS WEHRMAN, Truxton, Lincoln Co., M

-HEAD- SHORTHORNS

in herd; young stock of both sexes for sale. The Oruickshank bull Duke of Hardson 133,067 at head of herd. W. H. H. Stephens, Bunceton, Mo.

Shorthorn Cattle,

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SHORTHORNS. Gay Laddie 119,283 at head of herd. Young stock for sale. Call or write. POWELL BROS., Lee's Summit, Mo.

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and for sale by H. A. BARBER, WINDSOR, Mo. RAVENSWOOD HERD

SHORTHORNS. 125 head in herd. 20 bulls for sale from 6 to 16 months old. Scotch and Scotch top ped. Herd headed by (Lavender Viscount 124755), the champion Shorthorn bull of the Kansas City Show, 1900. ED. PATTEEN, E. LEONARD, Bell Air, Mo-B. B. and telephone station, Bunceton, Me

Shorthorn Cattle, Berkshire Hogs, Angora Goats, Light Brahma an Golden Seabright chickens. Stock and eggs for sale Call on or address J. J. LITTRELL, Sturgeon, Mo.

20 bull and 20 heifers for sale, all registered choicely bred. Call on or address N. E. MOSHER & SON, Salisbury, Mo.

Hereford Cattle!



LUMP-JAW CURED NO PAY

TEBO LAWN HERD OF SHORTHORNS

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LINES OF BREEDING-"The Casey Mixture," Cruickshanks and other Scotch cat-

tle, Bates and Renick Rose of Sharons.

HERD BULLS—Imp. Cellynie 135022, bred by Wm. Duthie; Imp. Blythe Victor 140805, bred by W. S. Marr; Admiral Godey 133872, bred by Col. C. E. Leonard; Victor Bashful 182787, bred by J. R. Crawford & Sons; Victor Abbett, bred by T. J. Wallace & Son, and Scottish Lavender, bred by Hanna & Co.

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Shorthorn Cattle. Scotch, Scotch Topped, Bates and Bates Topped. As good blood as the breed contains. Imp. Nonpareil Victor 12573, Imp. Blackwatch 183334, Grand Victor 13573 and Windsoms Duke 11th, 121573, in service and large English Yorkshires. Young stock for sale Contains and an example of the Contains and as or address.



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Grand Duke of Hazelhurst 135694, assisted by Waterloo Duke of Ocdar Vale 133069, heads our herd of pure Bates and Bates topped, pure Souch and Soutch topped cows of the most fashionable fami-iles. Stock for sale at all times at reasonable prices. Parties met at tusin. Parm two miles out. Telephone No. 30.

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SHORTHORN CATTLE of pure Scotch, Bates and leading Americaa families. BERKSHIRES of leading families of the breed. English Setters and Scotch Terriors that have been winners at leading bench shows of this country. Stock of all kinds for sale. Visitors always welcome.

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OF SHORTHORN CATTLE

At Sturgeon, Mo., TUESDAY, NOV. 5, 1901,

FROM THE HERDS OF

J. J. Littrell, Sturgeon, Mo.; Dr. J. F. Kelth, Sturgeon, Mo.; E. S. Stewart, Sturgeon, Mo.; J. H. Cottingham, Clark, Mo., Consisting of

22 Cows and Helfers; 13 Young Bulls. Some of the cows have calves at foot; others of suitable age are bred. Sale under Cover.

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PUBLIC SALE

Of Entire Herd of Shorthorns

B. O. COWAN, POINT, MO.

IN KANSAS CITY SALE PAVILION. WEDNESDAY, NOV. 6, 1901.

Including 55 head of rich breeding and good quality. Several popular Scotch families are represented, viz: March Violets, Mysies, Lavenders, Queen of Beautys, Miss Ramsdens, Aconites, etc. Several very desirable bulls will be sold, including my herd bulls, Norfelk 120336, (a grandson of Princess Alice), Lavender Prince 144120, by Imp. Salamis 110075, and two superior Scotch bulls bred by E. B. Mitchel & Sons.

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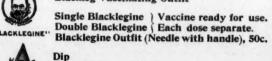
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Disinfectant Feeding Compound Scour Cure (Alexander Virus for Destroying Rats

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HEREFORDS Gudgell & Simpson, 600 HEAD IN HERD.

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THE LIVE STOCK MARKET OF ST. LOUIS. Located at East St. Louis, directly opposite the city of St. Louis. Shippers should see that their stock is billed directly to the

National - Stock - Yards. C. G. KNOX, V.-Pres. C. T. JONES, Gen. M'gr. L. W. KRAKE, As'st. Gen. Mgr.

C. T. JUNES, URLI. M. B. B. Hornioss cows give more milk. Hornioss steers make better bed. host dehorner, the most har. Keystone Dehorning Knife to on four sides at once, without crushing or brusting. Highests award at world's fair. IT PAYS TO DEHORN.

Horseman



A horse may have every desirable fea ture so far as conformation is concerned, but if he is not fat the average buyer on

Cresceus, king of trotters, although he

Cresceus is to be retired at the close of the standard list.

ew, son of Mambrino, a stouch se; 2d dam Eleanor, by Electioneer, and 3d dam Sallie Gardner, thorough-bred daughter of Vandal. There is noth-

Cresceus has now engagements every week up to and including Dec. 12, his later dates being in California, where he week up to and including Dec. 12 his seconds. In addition to the above named later dates being in California, where he will spend the winter. He will then be taken to Toledo, O., and permanently placed in the stud. Some eighteen mares have now been booked to him for the next season, at a \$300 fee, and among them are the champion Alix, 2:03%; Mar-Lady Russell. tha Wilkes 2:06: Consuela S., 2:1314: 2:11¼; Czarina, 2:13%; Bush, 2:09%, and Whisper, 2:03%. Mares not booked before Jan. 1 will be charged \$500.

of 1901, is retired for the season after having earned about \$20,000 for her owner, Hon. Frank Jones, Portsmouth, N. H. Another season Hiram Tosier will race her, as Mr. Marsh is to end his engagement with Mr. Jones' stable at the

that they will matter in perfect form.

There is nothing the matter with the horse market except that it is bare of the long the matter with the horse market except that it is bare of the long that was foaled 31 years ago.

In an interview with Dr. Patterson best kind of horses, such horses as the farmers of the country bred a few years

the horses raised on the modern humani-

her the fastest light harness mare bred freight rates and shipping arrangement

There is no question that inbreeding has in many cases shown beneficial results, but the matter of close relatives erned. It will be remembered and for some years to come. speed is concerned. It will be remembered as a few years ago Mr. Williams tried the experiment of breeding some of the daughters of Allerton, 2:08%, back to in 1900 at Joliet in the fifth heat of a win-

Caustic Balsam A Safe Speedy and Positive Care
The Safest, Best BLISTER over used. Takes
splace of all limiments for mild or severe action. nemoves Bunches or Blemishes from Horses and Cattle. SUPERSEDES ALL CAUTERY OR FIRING. Impossible to produce scar or blemish. ery bottle sold is warranted to give matisfaction

81.50 per bottle. Sold by druggists, or
by express, charges paid, with full directions Price \$1.50 per bottle. Sold by drug sent by express, charges paid, with full di for its use. Send for descriptive circu THE LAWRENCE-WILLIAMS CO., Cleve

of Fluvanna, 2:274, by Allerton, second dam by Alcantara, and third dam by Volunteer. It has always been claimed that, while speed can be secured from such close matings, it is usually at the to know just how Lebena compares

The descendants of the noted sevenlighths thoroughbred mare Alma Mater ame to the front in a very creditable manner on the ist instant. Audubon Boy, a grandson of Alcyone, 2:27, the latter a on of Alma Mater, won the \$5,000 earlysing 2:18 pace at Terre Haute, Ind., in closing 2:18 pace at Terre Haute, Ind., in straight heats. Time, 2:074, 2:07, 2:064. Minnie G., by Alcantara, 2:23, són of Alma Mater, won the second division of the 2:50 trot at Brocton, taking a record of 2:264. Gov. Bodwell, by Mahlon, 2:13%, a son of Alcantara, won the first heat of the above race in 2:224, and got second money. Jessie H., by Alciphrone, a son of Alcantara, won the 2:35 pace in straight heats, best time 2:20. His record is 2:15%, made in a race which he won at

Creaceus, king of trotters, although he is, belongs to the state list. At Helius nt Park, Philadelphia, last week, he attempted to lower his record of 2:02%, made at Columbus, August 2, and finished in 2:04½. He was unable to trot his last quarter faster than 31½ seconds. The track was fast and the weather fine.

The Charter Oak stake was divided this year with a view to rewarding a horse for what he did, and each heat winner was to receive 31,000 and what was left of the original stake of 310,000 was to be divided among the first four horses in the regular percentage. This gave Eleata \$4,000 as her share and Dolly Bidwell \$2,500, Allan \$900 and Volo \$900.

When John A. McKerron trotted a mile to wagon in 2:06%, lowering the world's wagon in 2:06%, lowering the control of the properties of the control of the contr when John A. McKerton trees of characters of characters of characters of the world's record from 2:05%, lowering the world's record from 2:07% and beating by a quarter of a second the official world's records, as follows: Ozanum, 2:15½ to record for a trotter to wagon, he stepped each of the first three quarters in 32 seconds and the last one in 30% seconds. As dilly, now having ten grandchildren in Createurs is to be retired at the close of the steadynd list.

this season it looks very much as if Mc-Kerron might prove a worthy successor for the honors of champion trotting stal-lion.

The "Kentucky Stock Farm says to remarkable showing by the numerous youngsters by Expedition at the Lexing-ton track has again called attention to this richly bred young stallion that by mouth, carries plenty of speed-sustaining right of inheritance can hardly fall to blood. Her sire, Dexter Prince, is by be within a few years one of the greatest Kentucky Prince, out of Lady Dexter, sires in America, Never before I believe sister of Dexter, and her dam, Eidon, is by Nephew, son of Mambrino, a stoutly bred horse; 2d dam Eicanor, by Election-Leyburn, a 3-year-old by him, has been a eer, and 3d dam Sallie Gardner, thorough-bred daughter of Vandal. There is noth-ing weak in this combination and Eleata should train on to a faster record than that made in her 4-year-old form, 2:08%. Expedition has trotted a quarter in 36 seconds. In addition to the above named one can safely predict a bright future as the The bay stallion, Kentucky Prince 2470,

son of Clark Chief 89, while never con-sidered a popular or fashionably bred stallion, is making turf history at a rapid Eleata, 2:08%, the rattling good stake pace and in a consistent manner, says the Western Horseman. At the close of last season Kentucky Prince was repre-sented in the Year Book by 35 trotters and 2 pacers with standard records; 25 sons, who were the sires of 115 trotters and 29 pacers; 57 daughters, who were the gagement with Mr. Jones' stable at the end of the year. Singularly both Louise G. and Eleata, records of 2:08½ and 2:08½, respectively, the fastest green pacer and green trotter of the year, were prepared for their racing campaigns at the Dover track, owned by Mr. Jones, and both are owned by New Hampshire men.

Games of 8 trotters and eight pacers. So dart this season Kentucky Prince to Eleata, 2:08½, the fastest new trotter of the year and one of the largest money winners. Eleata is a daughter of Exert Prince, son of Kentucky Prince, Jeanne, daughter of Kentucky Prince, is represented this season by the respectively in the control of trotters. owned by New Hampshire men.

If farmers want to receive good prices for the horses they produce they must produce the kind that bring high prices.

by sales they sales the sale produce the kind that bring high prices. It does not pay to raise a horse that sells for less than a good steer will bring. Farmers must stop selling the best mares and breeding from the poorest. The cheap, underbred stallion must be avoided and colts must be given such attention. When the cold statement is a perfect form. most excellent showing for a stallion to

In an interview with Dr. Patterson, prominent veterinary surgeon of St. Jo-Experience has demonstrated that generous feeding and comfortable shelter are essential accompaniments to success in live stock husbandry. The high priced animals of the whole sale markets are pleasant for American breeders of horses to contemplate. He states that with ne-glect, hard service, and the African fever the British forces are losing at an averthe horses raised on the modern numani-tarian plan of progressive breeders. With the farmer the payment of a mortgage, the sending of the promising son to col-lege, the added comforts of the hearth and home may be indissolubly connected with the profits arising from the sale of the young horses on the farm. A scrub animal, if properly reared, may develop the young horses on the farm. A scrub animal, if properly reared, may develop into a higher priced horse than the neglected youngster of aristocratic lineage.

Little Squaw, the Kansas bred daughter of icewance Boy, 2:23, son of Billy Wilkes, is showing her true form of late, after being out of condition a good portion in view, the agents of the British gavern. after being out of condition a good portion in view, the agents of the British governof the season, says Columbus. When Lit- ment have already leased a tract of tle Squaw left Kansas City, Kan., for Peoria, Ill., in June, she was in fine fettle and full of speed. Her two first races corralling and preparation station. There knocked the mare out of shape, and she are now being shipped an average of 9,000 did nothing worthy of note until the meeting at Evansville, Ind., where she won in straight heats, reducing her record to 2:08. At Terre Haute last week Little Squaw won again, still further reducing her record to 2:08, which makes the content light hearness more bred to the state of the content light hearness more bred to the state of the content light hearness more bred to the state of the content light hearness more bred to the state of the content light hearness more bred to the state of the content light hearness more bred to the state of the content light hearness more bred to the state of the content light hearness more bred to the state of the content light hearness more bred to the state of the content light hearness more bred to the state of the content light hearness more bred to the can be made this will be done in the near future. These conditions, so con-trary to the prevailing notion that the demand for this class of horses had been exhas generally been decried. Along this line of the many experiments tried by C. W. Williams has apparently proved price of ordinary grade stock will naturally be to the present bleb stock. line of the many experiments tried by owners of the west and northwest, as the C. W. Williams has apparently proved price of ordinary grade stock will natursuccessful, as far as the transmission of ally be kept up to its present high stand-

their own sire. The first of these to appear in public is the four-year-old filly the late George West, was burned to death at the farm of his owner, Mr. Peter Fair and won in straight heats, earning a vredenburg, located several miles from the city of Springfield, II., on last Wednesday, Oct. 2. Cutting during the sev-Horse Owners! Use eral seasons he was raced showed him eral seasons he was raced showed him eral seasons he was raced showed him eral arce horse far above the ordinary. When the announcement was made last Wednesday during the Illinois State Fair there was general regret among all horsemen in attendance, for Cutting was a popular horse wherever known, especially in Illinois and Springfield, where Mr. Vredenburg is one of the leading business men. The conflagration at the latter's farm, which occurred about noon that day, consumed, besides the stallion mentioned above, three young coits that were highly prized by Mr. Vredenburg. The cause, so it is related, was that one of the attendants in the training stable while McQuitty, the farm trainer, was

absent for a short time, kindled a fire to heat some water right in the rasin run. Way of the barn, and then happened to step away from it to attend to other duties when the stable caught fire and was soon beyond their control. There were five other well-bred horses in the same barn which were got out, but it was impossible to get to Cutting. A large amount of hay, oats and corn was also burned.

Bectric King, like the latter, now has to heater, now has one standard performer to his credit. It seems to be a guessing fight for first place in California sires between McKinney and Diabolo.

H. T. White in the Chicago "Tribune" says George Castle 2:11% and his dam has a gray son of Moody called Moody, Jr., that has been able to trot around 2:20 on the speedway. He says

Howell Cobb, ch. g (T. A. Con-

Classified trot: Mongold, b. h. (Colman Stock .1 1 1 Farm)

ust Valley, ch. c. (L. P. Harri-

Time—2:27, 2:27.
Classified trot:
Trix, b. m. (J. Sheehan)...

BLUE BULL NOTES.

1897. June 19, 1900, he reduced his record to 2:22% at Meadville, Pa., and was entered as by Blue Wing. Sept. 13 he was again entered as by Blue Vein. There seems to be nothing to warrant changing him, as the "Horse Review" has it, to Blue Wing, with nothing to his credit.

Blue Wing, with nothing to his credit.

A new son of Ashland Wilkes has come to Missouri. We have some good ones here—President Wilkes and Beamer. Both are breeding speed and will add to the reputation of the state. The new one is Correggio 32140, dam Narka by Anteeothe Wilkes-Electioneer cross. The colt is now owned by J. B. Bush and the state of the control of the state. The new one is Correggio 32140, dam Narka by Anteeothe Wilkes-Electioneer cross. The colt is severe.

James Kearney, brother of the master mechanic of the Frisco shops at Spring-field, Mo., has gone to Iowa to look at a horse and if as represented will bring him to Springfield. The horse is The Bells, sired by Bow Bells, dam by Sphinx, 2d dam the dam of Pilot Mambrino Jr. 2:09%; 3d dam by Hamlet, 4th dam by Mambrino Waxey. Who is there that would not like to have a horse of such breeding come into his neighborhood? J. W. Dunn is getting some good pros-

pects for another year, a 5-year-old geld-ing by Prodigal. Jim, son of Prodigal by Onward, is showing miles around 2:20 and the only way he can start in the matinee races is to start in class for free for all. Another, a 2-year-old, is by Black Dick, dam by Walnut Boy. The dam was bred by the late John O. Day from a standard mare purchased by him from Henry C. Fox. Mr. O. Day bred the colt by Black Dick and his dam by Walnut

Boy.

Black Dick has a pretty good one in Billie Hayes 2:19¼, brother to Jessie Hayes 2:20¼, both bred by the late James Hays of Springfield, Mo. Mr. Hays sold Hays of Springfield, Mo. Mr. Hays sold Billie as a 2-year-old down in Oklahoma. At Guthrie, Sept. 10, he won the first heat and got a record of 2:19%, and has won several good races since. Billie Hayes' dam is by Neban, son of Mambrino

President Red. Albert Allison is getting into the money in several of his late races, but has neither won nor reduced his record. Baron Dillon, Jr., has attracted deserved attention and he has been fortunate in having so good a man as Walter Morrison up behind him.

Ing. And I might name a dozen or more of the main islands of the Japanese empire, and is situated almost entirely below 31 deg. latitude north. The climate is extremely hot in summer and very mild in winter in all parts except some of the main islands of the Japanese empire, and is situated almost entirely selected to earn in a long life of usefulness.

I have not determined what my specialty will be—probaby the same as Corerly situation and the fact that the Walter Morrison up behind him.

Walter Morrison up behind him.

The "Horse Review" in its new 2:30 list gives Anteros credit for one pacer and one trotter new to the list. Anteros will soon have Missouri colts contesting in harness races and then it is safe to say in the police court. Frequently I am referred to as Creams by forester the same as Corbett's; give the public the horse laugh. They seem to like it.

I am excessively annoyed by being "called out of my name," as they say in the police court. Frequently I am referred to as Creams by forester. he will add more than two next season. It is buttons to dollars that he will have a Missouri 2-year-old in the list in 1902. Don Monteith, the much touted Election-eer thoroughbred brother to Azmoor and

A SPAVIN

idiagbone, Splint or Curb will reduce the set
sing price of any horse 50 per cent. You might to
se well set full value for event. You might to 150 KENDALL'S Spayin cure Henry and unnatural collargements, also all forms of Lasseses yield readily to this remedy. It is certain and sure in its effects and curse without a biemain as it does not blister.

As Infallible Remedy for 30 Years.

Dr. B. J. Kredell C. Daytos, Trans. Sept. 22nd, 1909.

Dr. B. J. Kredell C. Daytos, Trans. Sept. 22nd, 1909.

Dr. B. J. Kredell C. Daytos, Trans. Sept. 22nd, 1909.

Dr. B. J. Kredell C. Daytos, Trans. Sept. 22nd, 1909.

Dr. B. J. Kredell C. Daytos, Trans. Sept. 22nd, 1909.

Fourierly, Fless mail me your book at once as I have a celt that I am now heing trouble with and cellige.

Yours truly, I. J. JARVIB.

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amount of hay, oats and corn was also burned.

The Gentlemen's Driving Club of St. In Al West, Jr., b. g. (Louis Spelbrink) next to Nutwood, and in advance of George Wilkes, who led him in 1900. Per-

THE PAN-AMERICAN HORSE SHOW.

Editor RURAL WORLD: The sixteen stock buildings on the Pan-American
to a grounds are again filled with live stock
this time with horses. Eignteen breeds
are represented by 380 animals, the greatest representation being in the Shetland Classified trot:

Classified trot:

band. This feature is unique in horse shows and is exceedingly entertaining and interesting, as is attested by the Time—2:36%. Judging in the Stadium was the great

BLUE BULL NOTES.

By L. E. Clement.

There are two horses called Henry F.; both are pacers, both are bays, and it is very hard to keep the history of the two separate.

Henry F. 2:09% is by Princteon 2513, dam Sharile by Roger Hanson 1985, 2d dam Mattle by Blue Bull 75. Sharile is the dam of Nellie F. 2:25, 2:13 (p) by Anteros. Henry F. 18054 3-year-old record 2:20% is by Commander, son of Blue Bull 75 (dam of Grover C. 2:20), untraced. Henry F. 18064 is the sire of Annie F. 2:22, Dick H. 2:22. One of them is the sire of the horse show, and this immense structure was taxed to its full capacity on the most important occasions. Many animals of superior individual excellence and reputation are on the grounds. Among the number is a fast Autora, N. Y.; Langton Stallion 2d and Attraction, owned by F. C. Stevens of Attica, N. Y. There are also some notable Morgan stallions from the starder of the horse show, and this immense structure was taxed to its full capacity on the most important occasions. Many animals of superior individual excellence and reputation are on the grounds. Among the number is 6 and Attraction, owned by F. C. Stevens of Attica, N. Y. There are also some notable Morgan stallions from the starder of the horse show, and this immense structure was taxed to its full capacity on the most important occasions. Many animals of superior individual excellence and reputation are on the grounds. Among the number is 6 and Attraction, owned by F. C. Stevens of Attica, N. Y. There are also some notable Morgan stallions from the Morgan individual excellence and reputation are on the grounds. Among the number is 6 and Attraction, owned by F. C. Stevens of Attica, N. Y. There are also some notable Morgan stallions from the Morgan that are fully and Attraction, owned by F. C. Stevens of Attica, N. Y. There are also some notable Morgan stallions from the Morgan that are fully and Attraction, owned by F. C. Stevens of Attica, N. Y. There are also some notable Morgan that are fully and Attraction, owned by F. C. Stevens est feature of the horse show, and two trotters new to the list, Jim Fenton
2:19 and Henry G. 2:27.

The pacer W. B. by Blue Vein, son of
Blue Bull, took a record of 2:24 June 23,
1887. June 19, 1990, he reduced his record
to 2:22% at Meadville, Pa., and was en-

dam by Broken Leg, son of Hambletonian (10), 2d dam by Daniel Lambert,
of Ethan Allen. She is new to the list
this year and is his first standard performer. The last I knew he was owned in
Franklin county, Mo.

A new son of Ashland Wilkes has come
to Missouri. We have some good ones
here—President Wilkes

The Belgian draft horse is a compara tively new breed in this country and one

The German coach horse seems to pos sess all the valuable characteristics of the French coach. Several fine speci-mens of this breed are included in the horse show at the exposition, and it is pretty safe to predict that they will be better known in this country hereafter. The standard bred trotting horses are

receiving a great deal of attention at this as at all other horse shows. The highest types of stallions of this breed of Amer-ican horses never fail to attract a great deal of attention.

WHAT CRESCEUS HAS TO SAY-HE SOLILQQUIZES.

It is reported that Cresceus, the great trotting horse, is to retire from the track this fall after an exhibition trip to the Pacific coast. A rumor has it that George Ketcham, the owner of Cresceus, has re-ceived a proposition from a New York vaudeville manager to exhibit the horse on the stage this winter. BY CRESCEUS, 2:0214.

It is true that my manager has been of-fered \$1,000 a week for a long engagement by the owner of an eastern vaudeville circuit for me to appear for a few minutes on the stage each evening.

in the police court. Frequently I am re-ferred to as Cresus by ignorant persons, who misread my name. Or perhaps they call me that because I have made so much money. To be sure I haven't squandered a mil-

lion dollars during my short but rapid career. You will agree that \$1,000,000 will buy a heap of oats and baled hay, and being in training most of the time I am only given my little old stunt of oats every day. If George Ketcham wanted to make me live up to the pace that Cor-bett has set, he would have to gild the

Now I'm not a bit stuck on myself, like some persons I might name, but I can outfoot any horse that looks through a bridle. There was The Abbot who thought he could trot.

O, he was a trotter from Trotwood, all right, but—well, I don't want to appear egotistical, but L don't see any vaude-ville managers throwing \$1000 a week at The Abbot.

Say, you never knew my mother. I'm proud of that old mother of mine. Why shouldn't I be? She raised me, didn't she? But poor mother couldn't trot a little bit, because her foot was too heavy. I guess I ought to know.

I heard George Ketcham say once that he bought mother for \$250. I almost died of shame when he told me that right out in public. You see, this was how it was: Mother's name was Mabel, and George, that is George Ketcham-I always call him George when we are alone—bough her at a sale in Toledo in 1892. He wen

her. Two other horsemen were there for the same purpose and they put up a smooth job to have her knocked down to one of them for \$250. But the \$250 bld hap-pened to be George's, and when the sum was mentioned Mabel, that's mother, was knocked down.

knocked down.

Of course the other fellows made a roar, but George stood pat and got her. I am glad George got her, for it was through him that mother met Robert McGregor, my father. If the other fellows had got her, heaven only knows who my father might have been, and instead of being able to draw \$1000 a week in vaudeville I might be drawing the bus of the City Hotel in Centerville. Is. City Hotel in Centerville, Ia.

Father came from a very good family and was related to a swell stable in Kentucky. But that does not cut any sod with me. I've always trotted on my own

CAME NEAR MEETING AN UNTIME-

LY DEATH.
Did I ever tell you how near I came to getting bowled out at the start? It was good thing for George that I was not, nd a pretty good thing for the world, oo. They would have missed a trotter Well, when I was quite young I caught

the episootic from a common horse that got into our stable somehow or other. He could not trot better than 2:27 with boots on and an automobile pacemaker. I hate to talk about that episootic episode; it seems so personal, and I desp who is always talking about himself.

I had it so bad that they put a fly blister on my throat. It burned so that I rubbed it off and in the night I kept rubbing it until I almost sawed my head off. In the morning I heard George say to Tim Murnon-Tim was my trainer and

good fellow:
"Look at that colt's neck. He's sawed it down to his windpipe. Tim, I guess you'd better take him out and shoot

Gee, but I was scared. Every minute I expected Tim along, but Tim went away and got mixed up in a friendly away and got mixed up in a triendity game of some sort, I don't know just ex-actly what, and forgot all about me, and I hurried up and got well. And that's by you still have got your Crescous. MADE FIRST HIT IN SNOW AT TO-LEDO.

When I was only 2 years old I did the cutest thing you ever saw. George took me out in a race in the snow at Toledo against a bunch of old stagers, among them Charile Ford, who had done his mile in 2:12½. Say, I didn't know how good I was. I left them as if they were anchored off shore. After that they came

things I've done? They would fill a book. When I was a 3-year-old I did my mile in 2:11%; at 4 years, 2:09%; 5 years, 2:07%; 6 years, 2:04; 7 years 2:02%. And 1 expect to be the original 2-minute horse if I don't get too fat doing that vaudeville stunt. You will notice I never dropped back any year, like some champion could name. But even if I don't make it in two min

utes I have a little brother back home that will turn the trick. Mother says he is just like I was at his age, and that he is getting to be very fast. If he is faster than I was when I was a young fellow he must be a bird.

I have been asked if I shall be frighten-

I have been asked if I shall be Ingluen-ed by the footlights. Why should I, who have such light foots? Haw, haw, that sounds just like an English joke, now, doesn't it; honest? I believe I snall use that in my monologue. Jim Corbett has a lot of things like that in his stunt. I have thought of a conundrum I be-

lleve I will spring on the audience if they will stand it. George advises me to use it anyway, and make them stand it; that's what Jim does. It is: Why is a theater like a stable? The answer is: Because each has boxes and

ish, too. Don't you think so?

There is one thing about my appearance on the stage that no other high-

class vaudeville artist can boast—I will be a whole big show in myself. I will give the people two more legs for their money than any of them.' George and I have talked the thing over and have found another advantage we

will have over other Thesplans-my, these theatrical terms come so easy to me est of the company has to count ties, George and I will take to the road and do the distance at the rate of 2:021/4 and carry the trunk.

HORSE BREEDING IN JAPAN.

The following report from an English man, printed in the London "Live Stock Journal," will be of interest to horsemen at this time, when Japanese agents are buying horses in this country to improve

their home stock.

The province of Kagoshima is in the southern part of Kiushiu, the southernmost of the main islands of the Japanese erly situation and the fact that the shores are washed by the Kuro-Shio. Tropical productions are more abundant than in any other part of Japan. In win-ter there are occasional frosts, which render it necessary to protect some plants and especially is this the case with to The mean temperature is about 16.7 Centigrade (61.5 Fahr.). The area of the province is about 3,566 square miles, one-third of which is under cultivation, while a large part is used for grazing, though the grass is poor in quality. The country is hilly for the most part, about five-sixths consists of "hata" or high, upland fields, where much tea and tobacco are cultivated, the rest being the "ta" or rice fields, lower lands, which



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are not well supplied with water. Communication is very defective, there being no railways and few good roads. The former defect it is hoped will be partly remedied within two years by the opening of a railway running northwards from Kagoshima town to Kumamoto in Yatushiro. At present there is a regular service by means of coasting steamers.

In this region, as elsewhere, Japanes horses are notoriously of inferior qualhorses are notoriously of inferior quai-ity, and of recent years the government has undertaken the improvement of the breed for both general purposes and the imperial army. Legislation has brought the matter under direct control. The Japanese horse is of Mongollan origin and is good for endurance only. For ricultural or draft purposes horses little used, as oxen are worked still; but now the object aimed at is to produce, by crossing various breeds, an animal suits ble for light draft work and for purposes of locomotion. The question of acclim-atization is also important. Many exper iments have been made, but so far no satisfactory result has been arrived at. The chief measures of recent legislation are "The Stallion Examination Law (1889)," and the "Horse and Cow Breeding Guilds Law (1990)." No stallion, it is provided, shall be used for stud purposes without a certificate, renewable annually, sued in accordance with a standard pre-ribed by the Minister of Agriculture, he horse and cow guild law provides for the establishment of guilds in various parts urban and rural, largely seirgoverning, but under government control. Also government reserves the right of buying up at market prices any horses

or cattle for its own use. Kagoshima is one of the largest horse-breeding districts of Japan, though the pasturage there also is of poor quality. The working of the guild system is, therefore, conveniently studied there. Those who desire to breed horses must form themselves into guilds, which are both urban and rural, but all under the control of a central guild at the Prefect ural, Kagoshima. Each guild has its articles of association, and the central guild is elected by representatives of the branches. Each guild must hold a sale annually, where colts and fillies are put up at auction, save when exception is expressly made by the manager-in-chiet, and no stallion or mare may be used un-less it has been certificated by the guild These rules apply to every person, whether a member of a guild or not.

The regulations are minute, and provide

for details. The minimum age of brood mares is three years, and proportionate development; the height 4.65 shaku (about 12½ hands), and they must be of good physique, free from vice and hereditary disease. The stallions must have a min imum height of 4.3 shaku (about 13½ hands), with physical qualifications similar to the case of mares, but in some districts, owing to scarcity, a height of the central guild and 20 per cent to the animals must be examined once a year, and when the authorities deem fit; and they are liable to cancellation of certifi-cates whenever they fail to satisfy the examiner. Sales, transfers, loss by death or any circumstance of interest for stud purposes, must be reported at the guild office, and by that guild to the central guild. The examinations are conducted by the control of the purchase money. The stallion must guild. The examinations are conducted by the control of the purchase money. The stallion must guild. guild. The examinations are conducted by the managers of the rural and urban guilds conjointly. Horse and cattle dealing requires a license from the police, and a dealer must keep a record of his transactions, which may be required at any time, and his license may be cancelled for any irregularity. All sales are under the control of the guilds, regular sales being held in the autumn, and special at irretryals, according to the needs of the locality. Any person desiring to bring a horse to market may do so by making the expenses incurred by the mares must a horse to market may do so by making the expenses incurred by the mares must application on a prescribed form. A fee borne by the local guilds, and half to 1 per cent is required by the authorit the maintenance of man and stallion. No ties from both buyer and seller. Transstallion under five years is allowed to fers also of stud horses must be regis-fers also of stud horses must be regis-over more than two mares a day, nor tered at the guild and 2 per cent of the purchase money paid by the buyer for regulations and treatment prescribed for the registration. A non-member pays a similar fee should he desire to remove an animal from the register. These re-regulations, and 218 more which are alceipts are divided, as to 60 per cent to lowed to serve under older certificates.

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about 12% hands is permitted. All these animals must be examined once a year, penses may be reserved every year to and when the authorities deem fit; and purchase more stallions to meet the lutreasing demand. The local taxes are liable for subsidies.

Home Circle

No clever, brilliant thinker she With college record and degree; She has not known the paths of fame, world has never heard her name, walks in old, long-trodden ways, valleys of the yesterdays.

She seeks no other wand of power To make home sweet, bring heaven near, To win a smile and wipe a tear, And do her duty day by day

Around her childish hearts are twined, As round some reverend saint enshrined, And following hers the childish feet Are led to ideals true and sweet, And find all purity and good

She keeps her faith unshadowed still-God rules the world in good and ill; Men in her creed are brave and true And women pure as pearls of dew, And life for her is high and grand, works and glad endeavor spanned.

This sad old earth's a brighter place Her very smile a blessing throws, And hearts are happier where she goe A gentle, clear-eyed messenger, To whisper love—thank God for her! —L. m. Montgomer

Written for the RURAL WORLD

When last I was with you-and it seems such a long while ago—we were all busy with the pleasing burden of seed time. The year was young and brilliant with promise and we toiled cheerfully, hopepromise and we toiled cheerfully, hope-fully, looking forward to the fruitage to Nature was busy with paint and perfume, hanging her matchless garugh and branch, and on

need not tell you of bare fields, burnt up meadows, empty hay mows, unused granaries, corn cribs and stack yards.

Sunny Slope has shared in the general calamity. The "private experiment sta-tion" has failed utterly—except in expe-riences. Very little of all that big box our friends so kindly filled for us ever germinated and that which did nostly succumbed to the awful dryness What still lived looked terribly disheart All the roughage has been gathered and packed under shelter and other catch crops sowed and planted, but the earth is dust dry deep, deep down, and no vegetation has shown from the sowing. The sown fields lie like ash heaps. Ap-

shifted the heaviest burdens upon his summer; used a quilt on my bed all the shoulders, trying still to "hoe my end of the row" until June days ended in that scorching heat wave. Then I laid down not only the burden, but myself as well. Some of my neighbors at home in Chillicothe, Mo., thought it exceedingly fooland all through those awful days of scorching, shriveling, blazing sunshine, with extra blanket handy, which have and corn in the market here are brought from the north. Cow pass make fine hay and the northern men raise them by the acre, but the name raise them by the acre, but he name is all titles. His adding the construction and as nearly bare of comfort as possithat I again took my place at the table grees, and began a limited prowl about the rooms and the yard.

iands—the brave, bright autumn flowers which no drouth can quite kill. It is all to engage in intensive farming, trucking so beautiful, so leave the possibility of hunger and cold in many an ill-provided the country before buying, he chose a household; but the crisp, chill airs that of the country before buying, he chose a household in the extreme, and yet they somehow fit the rickety, sad colored houses. This is out in the country. They have some smart places in the little country by seat which I am told is 130 years old. If so, it has been indulging in a long Rip Vinten which is always and look of the possibility of hunger and colored houses. This is out in the country. Effingh Written which I am told is 130 years old. If so, it has been indulging in a long Rip Vinten which I am told is 130 years old. If so, it has been indulging in a long Rip Vinten which I am told is 130 years old. If so, it has been indulging in a long Rip Vinten which I am told is 130 years old. If so, it has been indulging in a long Rip Vinten which I am told is 130 years old. If so, it has been indulging in a long Rip Vinten which I am told is 130 years old. If so, it has been indulging in a long Rip Vinten which I am told is 130 years old. If so, it has been indulging in a long Rip Vinten which I am told is 130 years old. If so, it has been indulging in a long Rip Vinten which I am told is 130 years old. If so, it has been indulging in a long Rip Vinten which I am told is 130 years old. If so, it has been indulging in a long Rip Vinten which I am told is 130 years old. If so, it has been indulging in a long Rip Vinten which I am told is

that "our Helen" is now the wife of a very estimable and scholarly gentleman and they seem very happy in the new ples, peaches, pears, plums in good varieties, from the garden all the time. Two years already the beginning of an orchard, applies, peaches, pears, plums in good varieties growing finely, and quite a little time to go the colonists said: "You can grow anything here that they can agrow anything here that they can as to be nominated for their positions, and were they to be elected they would be utterly unfit to fill the office. For many years, as a dealer, I sold bushels of corn to the acre last year. You ers who have used it is worth crediting, the sod of coarse Savannah grass and S

terest in the "Slope Farm" papers, I will cultivated the plants with the hoe, pa-say that we are hopefully plowing and tience and clbow grease, as he could not think are good, but our photographer

to some railroad town, where we can have the daily papers to read as we swing in the hammock and eat Eiberta peaches and sweet, ripe, speckless apples just off the orchard trees. It was a foolish thing in us, with broken health and increasing years, to undertake such a farm, between the contract of the orchard trees are a foolish than the contract of the orchard trees. It was a foolish thing in us, with broken health and increasing years, to undertake such a farm, bave to hunt a market here: the market

but we have enjoyed it all.

I have many, many letters to answer, which ill health compelled me to negiect. It is not easy to hold the pen when one's nerves are crawling and crying, or to think intelligently when one's head is forever seeking a pillow. I have many to thank for packages and bags of seeds and boxes and parcels of plants, for which I am still grateful, although scarcely anything, seed or plant, grew in field or garden.

have to hunt a market here; the market hunts you. The commission men in the large cities solicit consignments and send frequent quotations, and buyers as soon as you have enough fruit and truck to be of importance. It was a fine, early season, a year ago last spring, and shipments began the first of April, the earliest brought a big price. About the middle of the season the commission men offered lise net for all up to May 4. This last spring was a month late and few cases were shipped

scarcery anything, seen or plant, given in the control of the cont

tion were fine.
Pine Burr, Pine Burr, where are you? MRS. HELEN WATTS MCVEY. Wright Co., Mo.

Readers of the Home Circle will be the haven of rest so much desired.

this year fruit which last season would have found its way into the hog pen.

The out range has held out better than could have been expected, but water has been exceedingly scarce. We at the Slope Farm have a fine spring and plenty of running water for whatever stock choose to drink, but many farms "went dry."

When the gude mon left us last April for the city I was not yet strong from a severe attack of the grip, but I "shouldered the farm" bravely and did the best I could, until his return in June, when I shfulded the heaviest burdens upon his shoulders, trying still to "hoe my end of the row" until June days ended in the strong from the strong and plenty of the city I was not yet strong from a severe attack of the grip, but I "shouldered the farm" bravely and did the best I could, until his return in June, when I shfulders, trying still to "hoe my end of the row" until June days ended in the strong from the calves are weaned the cows and the shoulders, trying still to "hoe my end of the row" until June days ended in the strong from the country in this summer; used a quilt on my bed all the time, with extra blanket handy, which the form of the country in this summer in the country in this summer; used a quilt on my bed all the time, with extra blanket handy, which the country in the summer; used a quilt on my bed all the time, which are common with most northern people I did not like it at first, but where the conditions are all so new and strange one the kind and pleasant to new comers, but they are kind and pleasant to new comers, but they are kind and pleasant to new conditions. They raise few together grandfathers. They raise few the lithe, and the first it into nuch better of it now; the climate is all one cought to wait a while and ger acquaint-to few the form of the remaining interest in the much cought to wait a while and ger acquaint-to ever the kind and pleasant to new kind and pleasant to new kind and pleasant to new conditions. They raise few there is now the first man to new the fill the interes of last February, I have been intending to tell you something of the country in

and all through those awful days of lash of us to go where it was so "burn man said, "Tve always raised a little secondary burnt all hope out of even the theirs; they had weeks when the therstand withered the last remman successful the cave was so "burn man said, "Tve always raised a little and as nearly burnt all hope out of even the theirs; they had weeks when the therstand withered the last remman successful the cave was so "burn man said, "Tve always raised a little and as nearly burnt all hope out of even the theirs; they had weeks when the therstand withered the last remman successful the secondary burnt and successful the secondary nant of struggling vegetation, I lay, carefully attended, among the sheets and killed every green thing, no gardens raisblankets, too "dead tired" even to care. It was not until the middle of August when the heat climbed to 113 and 114 december 114 and 114 december 115 and 115 and 114 december 115 and 115 and 114 december

ooms and the yard.

The "boy" had left his engine in his seest home in Southern California and rather dry. As a rule it rains here every came home for his vacation, and gave us few days, seldom all day rains, but sud

of other things than glowing forest aisles.

In the waning days of September I hard work from the forest to fine straw-spent a few days with our friend, Mrs. Helen M. Warner, in her pleasant Spring-field, Mo., home. You all know of course is a born agriculturist and horticulturist, only about six weeks of frost, and you newer hard the fillings.

On the whole I have come to like it here with the exception of the chilis and fewer, which are very prevalent in the summer months. There is very little winter, that in our political campaigns so newspapers magnify the fallings.

we were working so industriously after buying the land was to cut the scattering trees from one of the hollows, put f the testimony of friends and oth- a covered ditch through it, turned over we succeeded.

To those who kindly mention their inwas plentifully predicted for him, but he

YET!

thing in ds, with broken heated and increasing years, to undertake such a farm,
but we have enjoyed it all.

I have many, many letters to answer,
large cities solicit consignments and send

ablaze with yellow blossoms, though the plants are greatly stunted and the crop of roots will be proportionately few; but we are surprised that they lived where everything else died.

Our little patch of peanuts did finely, everything considered, and we shall have quite a store of goobers for our Christmas stockings. From our first field of cow peas—about two acres, which was replanted twice—we shall get back the seed—about one bushel. The other fields are in various stages of growth, from the

You all know what followed—the cold, wet spring, the rainless clouds, the brazen skies, the awful, desert heat, and where we had dreamed of fruitage in field and garden there lay only dust and death. You know how we watched with strained eyes for the rain that never came. "Brazen skies and iron earth!" I need not tell ware tell ware stated on the lay of the state of the parson? Those editional letters for the parson? Those parson was pring a crop, and intends putting out one or two acres this fail.

The variety called "Lady Thompson" is used here almost exclusively; it is plant edition intends putting out one or two acres this fail.

The variety called "Lady Thompson" is used here almost exclusively; it is plant edit in rows three or four feet apart, is to its inches in row. The vines are kept well tilled and all runners cut off. They are part, is to its inches in row. The vines are kept well tilled and all runners cut off. They are part, is to its inches fail. but there will be no bloom.

What has become of the Parson? Those editorial letters from the Buffalo Exposition were fine.

Pine Burr, Pine Burr, where are you? least, but send up more blossom stalks. A good season you can get scattering ber-

ries long before shipping begins.

Labor is cheap here on account of so many negroes. We pay ic per quart for much pleased to again hear from "Sunny Slope Farm," though they will be grieved to learn that illness has been the occasion of the silence. We all hope that Idyll may be restored to health and that the "Little farm well tilled" will yet be the bayes of rost so much desired. or whatever one wants done. They seem to me to be remarkably honest; the col-Written for the RURAL WORLD.
FROM THE SOUTH CAROLINA PINE WOODS.

onists go to the beach for a week's camping out, leaving their houses with only ordinary fastenings and nothing is disturbed or taken; even watermelons lay and rotted on the ground with a couple of colored men working just over the

was too sick to visit with him until his "lay off" was ended and he had to leave us. So I feel doubly defrauded of my cherished hopes.

Red and russet, and yellow and brown, the glory of autumn lies about us. The forest alsies fairly blaze with the rich coloring and the still, sunny days are matchless. It seems a joy to live, as one looks abroad over the gay colored landscape and drinks in the sweetness of the fields and forests. Flowers, too, light up the rugged hillsides and tangled waste lands—the brave, bright autumn flowers which no drouth can quite kill. It is all so beautiful If so, it has been indulging in a long Rip Written for the RURAL WORLD.

bushels of corn to the acre last year. You have two crops of Irish potatoes and as newspapers of all kinds, and during a

we have not moved yet and win not to construe a press report or news to faperhaps until the farm is in cultivation.

We want to plant a grove of nut trees;
we have 30 sweet American chestnut
trees, one Japan and one giant Spanish
chestnut, all doing well.

During a heated campaign one cannot
depend upon everything that is printed as
being the gospel truth. In order to ar-

I would like to ask Judge Miller if he rive at the true status of a matter

reliable persons. I have been told those in the market are usually worthess to plant.

I have not seen the old RURAL WORLD for a long time. I hope I have not missed any of the Home Circle portraits; I think much of them and preserve them all. I am going to send mine when I get home. I have some that were

terest in the "Slope Farm" papers, I will call the plants with the hoe, paths ay that we are hopefully plowing and sowing and preparing for another spring time. We shall have, like all our friends, to buy nearly all seeds we plant, and to reset about all the small fruit grounds, as well as fill in the vacancies in the apple orchard. We are not at all tired of farm life, and, what with our excellent cow, something over 100 young hens, plenty of home-made pork and a whole cellar full of canned peaches and a few other "atored" things, we expect to get through the winter months quite comfort-through the winter months quite comfort-through the winter months quite comfort-through the winter months quite comfortfull of canned peaches and a few other "stored" things, we expect to get through the winter months quite comfortably.

But the "Slope Farm" is for sale or exchange, because we find ourselves just the old invalids and one or other of us in bed nearly all the time, while the one who keeps "afoot" is simply not worth killing. Back to the city? Indeed no. I do not think I could stand it to live in the confinement of the city again. We shall seek rather a smaller place, close is we have prospect of growth.

because they had not means to keep their families through the first year or two would all be with the plcture of our Mrs. Editor. Will she not please give it to us, if she has not done so in the months I have been "living in the woods?" I simply not woods, they were disgusted and left. There is considerable land here owned in the confinement of the city again. We shall seek rather a smaller place, close in the more with great expectations of getting rich the first year, which they could not do sanywhere else, but finding it required to sanywhe

"I'm losted! Could you find me please? Poor little frightened baby! The wind had tossed her golden fleece The stones had scratched her dimp

And softly whispered, "Maybe

"Tell me your name, my little maid I can't find you without it."
"My name is Shiny Eyes," she said, 'Yes, but you last?' She shook her head. Up to my house 'ey never said single fing about it.'

'Why, didn't you hear me tell you? Dust Shiny Eyes." A bright thought when you're good; but when they

You, little one, is it just the same

"My mamma never scolds," she moans little blush ensuing, 'Cept when I've been a-frowing stones And then she says" (the culprit owns), 'Mehitable Sapphira Jones, What has you been a-doing?"

Mothers will find "Mrs. Winslow's Soothing Syrup" the best remedy for Children Teething. A FINE KIDNEY REMEDY.

Mr. A. S. Hitchcock, East Hampton, Conn. (the clothier), says if any sufferer from kidney, bladder or kindred diseases will write to him he will tell them how he was cured. He has nothing to sell or give, just directs you to a home cure that

Written for the RURAL WORLD. CAVE REMINISCENT SKETCHES.

The Hermit.

Very many years ago, in fact so long ago that all this region was a trackless forest, abounding in wild game and en-veloped in a solitude that was almost painful in its silence, a recluse, or hermit, made Cave Hollow a retreat and habitation and lived a solitary life. His habits bone cutter. The important thing is to were crude, his wants few and his life feed fresh cut bone in liberal quantities. a daily routine of sameness

alone and subsisted on game and wild honey. How many years he had thus lived has never been known, but it must have been through many decades, for when he was discovered his hair hung

the burnt all hope out of even the butest heart and withered the last remounter stood at 110 degrees, with a burning wind blowing and a drouth that willed every green thing, no gardens raised there at all, and they had two days was not until the middle of August at I again took my place at the table de bagan a limited prowl about the mas and the yard.

There was never a drouth known here, the "boy" had left his engine in his sert home in Southern California and me home for his vacation, and gave us his young strength in many needed miss about the home and fields, but I stoo sick to visit with him until his to so sick to visit with him until his to so sick to visit with him until his to so sick to visit with him until his to so sick to visit with him until his to so sick to visit with him until his to so sick and and seed and he had to leave so so sick and and wellow and prished hopes.

The country looks barren and poverty-stricken to one accustomed to the large, orderly, well tilled farms of Illinois. In a ride of nine or ten miles on one of the principal county roads we saw only one house that had ever been painted, or that she word and whether she didn't know they made good feed for stock."

Many of the grown men and women and women and women and women and to as a rule, which is betifure all do as a rule, which is hopful for the future.

There was never a drouth known here, the word out west; stricken to one accustomed to the large, orderly, well tilled farms of Illinois. In a ride of nine or ten miles on one of the hollow and running north through it cannot read and write; though I am told the children all do as a rule, which is betifure a lid of a deer, encountered the head of the hollow and running north through it cannot read and write, though I am told and a more knowledge of this particular hen the cliffered in the stacident. A party of hunters on the hollow and running north through it cannot read and write, though I am told and sa rule, which is hopful for the future.

There was never a drouth known h

Effingham Co., Ill.

WHY NOT BE FAIR?

Had President McKinley not died at the hands of an assassin a great majority of ver, which are very prevalent in the sum-mer months. There is very little winter, only about six weeks of frost, and you newspapers magnify the fallings and can have the hardier vegetables fresh weaknesses of the candidates of the opfrom the garden all the time. Two years posite party. Were one to believe all that

have two crops of Irish potatoes and as large and fine as any if the land is in campaign it would be amusing to see how the papers of each party would try. We have not moved yet and will not to construe a press report of news to fa-

will have nuts to sell this fall, chestnut, pecans or others, or if he can put us in and then guess at it, or wait for some the way of getting pecans to plant from religious paper or disinterested party to reliable persons. I have been told those

No Mask LION COFFEE It is all coffee—pure coffee— strong and of delicious flavor. Some coffees are varnished with a cheap coating of eggs, glue or other equally noxious substances.

Poultry

VALUE OF GREEN BONE FOR POUL

Editor RURAL WORLD: The various feeds available on the farm for poultry have been much discussed. Their value for egg production and preparing fowls for market have all been tested. But on many farms and at their adjoining towns one of the very best foods has been utterly wasted or not used until much of its value was lost. This is the fresh green bone offal of butchering time, that of the chickens used in the home and that at the butcher's establishment near you. These bones if secured when resh, before they are spoiled, will give rofitable results if fed to poultry. Green bone contains both lime and

phosphorus, which make it a most valuable food for both young and old fowls.
YOUNG CHICKS.—These need such
food to build up a good bone framework. weakness caused by lack of such nutriious food. The nitrogenous substance in resh bone enables the chicks to feather

THE LAYING HEN.—During the egg laying period, where bone is fed, there are no soft shelled eggs and lime is furnished for shells in the very best form. The yolk is extremely rich in phosphorus and carries a large amount of lime—in fact it is the part that confributes largely to the formation of bone. It is stated that a good hen will produce five or six times her weight of eggs in a year. The average weight of an egg is two ounces, and about 12 per cent of it is shell. From these facts it will be seen that green cut bone is of great value to laying hens. If the children of Israel couldn't make bricks without straw neither can our little feathered friend—the hen—lay eggs without proper egg material. Then, it will also furnish needed grit to aid in discontinuous control of the day. In the evening we placed a box with some straw in it under the table on which my secretary stands and put the hen in it. My wife kept her in the to go the children of Israel couldn't make

of new feathers takes from the fowl the necessary elements for the production of feathers, the food should be highly nitrogenous, and meat, fresh bones from the butcher and milk are preferred.

sit. As it was too late in the season to allow her that privilege, my wife removed with soft food or may be given separately by itself. Many poultry raises report best results from feeding it in a warm mash in the morning. First cooking the bone and mixing the mash with the soup, then adding the cut bone which has been reduced to pieces that the chickens can use by being put through a bone cutter. The important thing is to feed fresh cut bone in liberal quantities.

Caidwell Co., Mo.

Caidwell Co., Mo.

THE HISTORY OF A PLYMOUTH ROCK HEN.

an almost impenetrable forest instead of the waves of the ocean. Thus he lived ROCK HEN.

wheat or wheat products," but this hen was fed corn exclusively till recently. Now she gets wheat because it is more plentiful than corn. During the fall and winter she, with my other hens, had the run of two acres of fall wheat. Aside from this and the corn she had only what she could pick up about the place. I have read that fire the read that fire th Plymouth Rock hen. I cannot tell her pedigree further than to say I have stock from as good Plymouth Rocks as the state affords. (I am not in the poultry business nor do I have breeding stock or eggs for sale), nor can I tell whether she was hatched in the incubators, or in a

as they have been buying them by the thousands, if they were not as near per-fect as it is possible to make them. One of the firms who are deservingly getting a large silce of this success is the Des Moines Incubator with their famous "Successful" Incubators and Brooders.



While they are accumulating knowledge on the profound sciences, are often so ignorant of their own natures that they allow local disease to fasten on them to allow local disease to fasten on them to the ruin of the general health. Back-ache, headache, nervousness, point to a disordered or diseased local condition which should have prompt attention. Dr. Pierce's Favorite Prescription may be relied upon as a perfect regulator. It stops enfeebling drains, heals inflamma-tion and ulceration, and cures female

tion and ulcertation, and cures issuance weakness. It makes weak women strong and sick women well.

There is no alcohol in "Favorite Prescription" and it is entirely free from opium, cocaine and all other narcotics.



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She continued to lay in that wood how.

on at intervals, but regularly, till March 9, 1991. It rained during the afternoon and night of that day till nearly mid-night, when it began to snow and con-tinued till nearly moon on the 10th.

About the time it quit snowing I found

the hen lying wet and cold under a cedar tree, in which she had roosted all winter, so nearly chilled to death that she could not walk. I took her up, carried her into the kitchen and said to my wife, "I think

Biddy is about ready to pass in her checks." My wife is the chicken doctor

of the family and she took charge of Bid-dy. Our kitchen is 22x20 feet, having an

open fireplace in one end. My wife laid the hen upon the hearth before the fire

four or five days, till she was able to go

sit. As it was too late in the season to

THE "SUCCESSFUL" BRANCHING

Perhaps one of the strongest argu ments in favor of the use of the Incu-bator, is the immense success and growth of some of the more successful

firms. People would not buy incubators as they have been buying them by the

they have found it necessary to open a branch office at 101 and 106 Eric St., Buf-falo, N. Y., to enable them to take care

coming to them. Buffalo is chosen be-cause of its central location, facilities for shipping, and low freight rates, all of which will materially benefit purchas-

C. Denny, who needs very little introduc-tion to most of our readers. A master mechanic in the hatching and raising of

poultry, as well as secretary and treas urer and pioneer organizer of the Buff

Rock Club. He is at the same time s

cessful plant at Buffalo, and you are invited to make this your headquarters when in Buffalo. If you are not planning to be in Buffalo in the near future, write

ers of Successful machines.

We represent here one of our six hole ranges, equipped with a 15 gallon all copper reservoir, nickeled outside and tinned inside. For country homes this is the only range; it heats water quickly and in quantity sufficient for all ordinary purposes; just below this reservoir you will notice a lever, this lever controls a device for keeping the reservoir tight spains; the for keeping the reservoir tight against the fire plate, by a simple movement of this lever the reservoir ean be moved slightly from the fire plate, thus preventing the annoyance which would result when the water steams or boils.

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will save money in fuel, will work with hard or soft coal or wood, does not clog with ashes or clinkers and is air tight and dust proof. All breakable parts are made of malleable iron, and not east iron; abou the oven it is lined with asbestos board (not paper), and all joints are riveted, as to ir retasts or need.

bolted. It is made in sizes and styles to itvb e ut Ranges and Kitchen Ar-OSSGED

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White F. EGGL. DIRCULAE FREE. Eggs half price. CIRCULAE FREE. E. W. GEER, Farmington, Mo. of the arge eastern business that is coming to them. Buffalo is chosen because of its central location, facilities write your wants.

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tion or money back. Lt. Brahmas, Black as, B. Ply. Rocks, S. L. Wyandottes. They ou good. H. T. REED, CAMP POINT, LL. This office is in charge of Mr. William will do you go

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Wyandottes, Bronse Turkeys and Pekin Ducks, Good
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MRS. E. A. CREEL, CARROLLTON, Mr. Denny a letter. He will gladly sup- finely marked, and is prepared to fill ply any information you may want on the orders for single birds, pairs, or breeding

ply any information you may want on the artificial hatching and raising of poultry.

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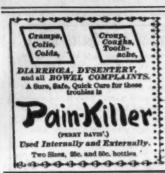
Your letter just received, writes Miss Rose
Killether, of at West Sharpuack St., Germantown, Philadelphia, Penna.

*Words fail to
express how thankful I am to you for your
advice. I must confess that for the length of
time I have been using your medicine I have
found it to be the most wonderful and best
remedy for female trouble that I ever have
tried. Sorry I did not know of your 'Favorite
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SHROPSHIRE RAMS, all yearlings, for sale; also my stud ram for sale or trade for one as good.

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MERINOS-American and Delaine. Greatest World's Fair Winners. Best purpose sheep. 100 fine brood ewes, shear from 10 to 20 lbs. at \$5.00 for quick sale. Extra rams. L. E Shattuck, Stanberry, Mo.

South Down Rams and Berkshire Pigs.

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Walnut Grove Herd Big boned English Berkshire. Some Choice Spri boars for sale. Ready now for service. H. R. JACKSON, Prop., Benton, Illinois.

LARGE ENGLISH BERKSHIRES—48.00 buys a pig of either sex; best of breeding. B. P. R. Chickens; White Turkeys. GEO. W. McINTOSH, Monett, Mo.

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red Jersey cattle and Plymouth Book chicks.
stock for sale at all times.

POR SALD. A nice lot of fall pigs, sired by Mis-perfection, dams are Look Mc Over and B. U. S. breeding. Eggs for setting from best strains of B. P. E. chickens; also breed Hereford cattle. Prices reasonable. Huntsville, Randolph Co., Mo.

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Durec-Jersey and Berkshire Hogs! Extra Satisfaction guaranteed or you may reture at my expense. S. C. WAGENER, Pana, Ill.

Thoroughbred Duroc-Jerseys
A few gilts and male shoats for sale at cassonable prices. Lewis W. Hassmann, East Alton, Ill.

near the melting point.
One little pig he brought up in a barn and, the season being winter, it was ex-

The Pig Pen

FEEDING SHOATS.

Editor RURAL WORLD: I have been interested in the Pig Pen columns. As I have failed to see any food rations for shoats weighing from sixty to one hundred pounds, I would be much pleased to have some feeder give his experience with pigs of these weights. M. M. LINDLEY. Fountain Co., Ind. nds. I would be much pleased to

SELECTING A BOAR.

The late James Riley, Thornton, Ind.,

wrote:
A great many farmers and breeders
make a great mistake in selecting the
breeding boar. They wait until they need
the boar for service, and then, late in the season, open correspondence with veral breeders for a boar large enough for service. When the breeder receives such inquiries all the best pigs have been sold and only the culls remain to select from. The result is a boar is ordered, and does not prove satisfactory. The buyer an do no better and the inferior boar is used in the herd and a lot of inferior pigs is the result. The proper way to insure the best results is to select the breeding boar when a pig. The formation of the sows to be bred should be carefully studied, and the boar should be selected to counteract and improve any defect in the sows. If the sows or a considerable ortion of them should be a little deficient back, then a boar with extra good back

with the standard of the breeds in which he is interested, so as to be able to de-tect any defect in the breeding animals, and learn to discriminate between the es-sential points and the non-essential. For stance, some tenderfoot breeders would ot use a boar in their herd that was not marked exactly perfect to a hair. This is the color craze. A great many new breeders are liable to be led off into this fool craze, and sustain heavy loss in con

The youngest breeder in the United States will never live to see an entire herd perfectly marked. It is not very im-portant, and we should use our uttermost ndeavor to improve the chest, back, oin, feet, head and jowl.

WHAT AND HOW TO FEED.

I have been raising swine nearly 20 I have been raising swine nearly 20 years and certainly have learned something, says Chas. Griffith in "Swine Advocate." One year ago I paid for ship stuff alone about 315 per week to feed my young pigs. But I am feeding a great deal cheaper feed and think it is better and richer feed. It is thus: First, I shell my corn with sheller, then I grind it into meal with my grinder; then I throw the meal into barrels and then I throw the meal into barrels and put some water on it; then I fire up my steam engine and cook it into mush or rather thin slop. I will say this: I never struck any kind of feed before that pigs would eat as young as they do this,

and like it as well and grow as fast.

I shipped pigs fed in this way that weighed sixty and sixty-five pounds at two months and five days old. Of course, I well remember that some of our readers think there is nothing in cooking feed for think there is nothing in cooking to the state of the property of the property

cholera. By December 1 the hogs are shipped to the Chicago market, where they seldom fail to bring about the highest price. My shrinkage is very smallowed by the seldom shed is used, as the For shelter, a wooden shed is used, as the Four pigs under 6 months, produce of the seldom shed is used as lianie to work the second to the seldom shed is used.

ques. He has learned that the adipose

CHOICE POLAND-CHINA SPRING PIGS JOHN L. CLARK, Bolivar Mo.

ANGORA GOATS FOR SALE!

ioned goats that I will sell at a reasonable price. I am in a position to fill any order satisfactorily from any standpoint. Address W.T. McINTIRE, Agent, Kansas City Stock Yards, Kansas City, Mo.

FINE BERKSHIRES

Of the best families at farmers' prices. Write for what you want, or, what is better, come and inspect the stock.

W. H. KER, Prairie du Rocher, Illa.



Cedar Lawn, E. H. Rodgers, Breeder of registered Shropshire Sheep, Poland China Hogs and Shorthorn Cattle. Also Mammoth by O. Walter & Co. Bow under 6 mor

posed to Arctic conditions. The second little pig he kept in a hot room, the conditions being to all intents and purposes tropical. The third little pig he sewed up in a garment of sheepskin, with the wool-side inside. All of them were fed on the same quantity of corn, and the word of three wouths the three little pigs.

end of three months the three little pigs
were killed.

It was found that the Arctic pig had
fat of a different density and melting
point from the others; the cold had made
its density less, and its melting point
lower than in the case of the tropical pig
or of the pig in sheep's clothing. The
difference was very marked, indeed, and
it confirmed Doctor Henriques' idea that
it was all a matter of temperature. The

Bow any age—Fremium to O. Walter &
Co.
Breeders' rings—Boar and three sows over
Under & Co.
Boar and three sows over 1 year, bred
or the pig in sheep's clothing. The
difference was very marked, indeed, and
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Bow any age—Fremium to O. Walter &
Co.
Breeders' rings—Boar and three sows over
Under & Co.
Boar and three sows over 1 year, bred
over 1 year-First to O. Walter & Co.;
Boar and three sows under 1 year-First
burdens and to escape feverish conditions, which endanger both the sow and

Following are some of the awards on gs at the St. Louis Fair: POLAND-CHINA-Burgess Brothers & Company, five firsts, two seconds; B. F. Corsey & Son, Perry, Ill., four firsts, our seconds; Jacob Studt, Jr., Studt

Station, Mo., one first. BERKSHIRE-Thomas Teal & Son Utica, Ia., five firsts, two seconds; A. Crawford, Columbus Grove, O., two firsts, four seconds; J. F. Pollard, Fulton, Mo., two firsts, one second; Henry Jackson Benton, Ill., one first.
VICTORIA—Davis Brothers of Dyer,

Ind., three firsts, one second; George Merchorn of Selina, O., four firsts, two Breeders' ring-George Melchorn, five

irsts; Davis Brothers, one first.
CHESTER WHITE—M. B. Newburn of
Hennepin, Ill., thirteen firsts, three secends; Dorsey Brothers, five firsts, three

DUROC-JERSEY-Walter & Co. of Lebour seconds; J. D. Carkson of Ballwin,

Mo., one first, one second. ESSEX-M. A. Miller of Belleville III. eight firsts, three seconds; A. C. Green & son of Winchester, Ind., seven firsts, five seconds; Davis Brothers, two firsts.

SMALL YORKSHIRE-Thomas Teal & Son of Utica, N. Y., one first.

ILLINOIS FAIR AWARDS ON HOGS AT ILLINOIS STATE FAIR.

POLAND-CHINA. Boar 2 years old or over-First to Ideal Tecumseh 5097, owned by John Hedges & Son, Pana, Ill.; second to animal owned by E. W. Monnier, Elizabeth, Ill.; third to T. R. Perfection, owned by F. M. Mc-Diarmid, Cumberland, Iowa

Boar 1 and under 2-First to Correction 26468, owned by F. M. Lall, Marshall, Mo.; second to Kemp's Perfection, owned by James M. Kemp, Kenney, Ill.; third to Lamplighter, owned by Winn & Martin, Kansas City, Mo.

Boar 6 and under 12 months—First to Champion Perfection 61839, owned by J. A. Rosenbery, Goodwine, Ill.; second to Perfect Lad, owned by vann & Martin; third to animal owned by Burgess Bros.

& Co., Dement, III.

Boar under 6 months old—First to animal owned by Harcourt & Johnston, New Augusta, Ind.; second to animal owned by W. C. Williams & Co., Knightstown,

A PIG IN SHEEP'S CLOTHING.

Some interesting experiments with little pigs have been made recently by a scientist at Copenhagen, Doctor Henriques. He has learned that the adipose

melting point.

One little pig he brought up in a barn wined by George W. Trone & Sor to animal owned by N. B. Cutler.

sey Bros.

W. 2d 10456, owned by M. E. Newburn; second to Dexter Park Lady 19440, owned by Dorsey Bros.; third to Promise 4th 19480, owned by M. E. Newburn.
Sow 1 and under 2—First to Lady E., cach to offer the trade.

Sow 6 and under 12 months—First to Flora 20188, owned by Dorsey Bros.; secnd to Lady N. 20192, owned by Dorsey Bros.; third to animal owned by M. E. Newburn.

Sow under 6 months—First to animal owned by S. A. Stephens, Lacon, Ill.; second to animal owned by M. E. Newburn;

First to M. E. Newburn; second to Dorsey

to M. E. Newburn.

BERKSHIRE. Boar 2 years old or over-First to animal owned by Thomas Teal & Son, Utics, Iowa; second to Columbus Grove 4839, owned by A. Crawford, Columbus Grove,

ELLERSTRAS

It was all a matter of temperature. The fat of the tropical pig was about the same as that of the pig in sheep's clothin. The moral to be drawn from these experiments seems to be that if the farmer wants a pig to acquire that fat he must keep the animal where it is warm.—Saturday Evening Fost.

At the St. Louis Fair.

Following are some of the awards on Four pigs under 6 months, produce of four owards from these soms under 1 year, pred to directly a directly to produce fever, as corn does.

The protein foods fill the bul.

The prot

by M. E. Newburn, Hennepin, Ill.
Boar 1 and under 2-kırst to Prince E
4th, owned by M. E. Newburn; second to
Prince E. 3d, owned by M. E. Newburn;
third to Star Chief 11567, owned by Dorthird to Star Chief 11567, owned by Dor-21. If you have not sent for catalog, do

sey Bros.

Boar 6 and under 12 months—First to Royal 11569, owned by Dorsey Bros.; second to animal owned by M. E. Newburn; third to Chief Comanche 7407, owned by Charles D., Knoxville, Ill.

Boar under 6 months—First to animal owned by Dorsey Bros.; shird to animal owned by Dorsey Bros.; third to animal owned by M. E. Newburn.

Sow 2 years old or over—First to Rose W. 2d 10456, owned by M. E. Newburn:

THE L. A. SPIES BREEDING CO., by Dorsey Bros.; third to Promise 4th St. Jacobs, Ill., write: "We have some bloss, owned by M. E. Newburn.

Sow I and under 2—First to Lady E., owned by M. E. Newburn; second to Lady be ach to offer the trade. They will make hope that will weigh at maturity 700 to 500 pounds—cracker jacks; also an extra to Fancy 19438, owned by Dorsey Bros.

A NEW SECRETARY.—At a meeting of the Board of Directors of the American under 6 months-First to animal Duroc-Jersey Swine Breeders' Associa ond to animal owned by M. E. Newburn; third to animal owned by Dorsey Bros.
Champion boar, any age—Premium to Rose W. 2d, owned by M. E. Newburn.
Boar and three sows over the control of the secretary and treasurer for the unexpired term of A. V. Bradrick, resigned. All communications and business with the association should be addressed to the secretary.

H. O. MINNIS, Edinburg, Ill., will hold his annual public sale of Poland-Chinas Boar and three sows over 1 year, bred by exhibitor—First to M. E. Newburn; second to same.

Boar and three sows under 1 year—First to Boar and three sows under 1 year—First to the first three first f to Dorsey Bros.; second to M. E. New- say that this offering of 60 head is a burn.

Boar and three sows under 1 year, bred by exhibitor—First to Dorsey Bros.; second to M. E. Newburn.

Four pigs under 6 months, produce of sows. Here is a good place to buy choice splendid lot. They are all sired by "Keep same sow—First to Dorsey Bros.; second to S. A. Stephens.
Four swine, get of same boar, bred by exhibitor—First to Dorsey Bros.; second him for a catalog and then attend the

marbled mutton.

The evils growing out of excessive service are weakening of the physical energies of the ram and a reduction of the lamb

The Shepherd

Crawford.

Champion boar, any age—Premium to Combination 56028, owned by A. J. Lovejoy.

Sow any age—Premium to Lady D, owned by Thomas Teal & Son.

Breeders' ring—Boar and three sows over 1 wars—First to Thomas Teal & with turpentine, which seemed to give lished our claim to be in the front rank of the contract of

Bond the second to animal owned by N. B. Gutter before the adjaces deeps deep in body than being vinited to animal owned by N. B. Gutter before the adjaces deeps deep in body than being vinited to animal owned by N. B. Gutter & Co., and has there a higher being vinited to animal owned by N. B. Gutter & Co. and has there a higher being vinited to animal owned by N. B. Gutter & Co. and has there a higher being vinited in the adjaces of the second to Bantal owned by George W. Trons & Sons, third being vinited in the second to Bantal owned by George W. Trons & Sons, third being vinited in the second to Bantal owned by George W. Trons & Sons, third being vinited in the second to Bantal owned by George W. Trons & Sons, third being vinited in the second to Bantal owned by George W. Trons & Sons, third being vinited the second to Bantal owned by George W. Trons & Sons, third being vinited to the second to Bantal owned by George W. Trons & Sons, third being vinited the second to Bantal owned by George W. Trons & Sons, third being vinited the second to Bantal owned by George W. Trons & Sons, third being vinited the second to Bantal owned by George W. Trons & Sons, third being vinited the second to Bantal owned by George W. Trons & Sons, third being vinited the second to Bantal owned by George W. Trons & Sons, third being vinited to the second to Bantal owned by George W. Trons & Sons, the second to Bantal owned by George W. Trons & Sons, the second to Bantal owned by George W. Trons & Sons, the second to Bantal owned by George W. Trons & Sons, the second to Bantal owned by George W. Trons & Sons, the second to Bantal owned by George W. Trons & Sons, the second to Bantal owned by George W. Trons & Sons, Sons of the second to Bantal owned by George W. Trons & Sons, Sons of the W. Trons & Sons, Sons of the World of the Sons of the Sons

KELLERSTRASS DISTILLING CO.,
ADDRESS
EITHER OFFICE.

638 Kellerstrabs Block, KANSAS CITY, MO.
Warehouse 638, 5T. LOUIS, MO. a above firm are sole owners of registered Distillery No. 23 of the Bixth District of en writing them, please mention COLMANS RUBAL WORLD.

C. E. Vigal & Son, New City, Ill.

Breeders of Poland China's, Choice Sows bred or unbred to I Know Perfection by Perfection Hero by Chief Perfection 2nd, dam of Perfect You Know by Perfect I

KEEP ON

PIC SALE

Edinburg, Christian Co., Illinois, Tuesday, November 5th, 1901

50 Head Choice Poland-Chinas.

Consisting of sows and boars of spring farrow, sired exclusively by Keep On, that I have just sold for \$500; he is sired by Perfect Perfection that was recently bought by E. L. Jimison for \$1500.

> Keep On, Keep On, We thundered, Get a pig at this sale, Daddied by a hog that brought five hundred, That's good from snout to tail.

I extend to all a hearty welcome. Come and look my pigs over and see if they do not compare favorably with the best. My Catalogue is now ready. It tells you all about the offering; gives the terms and other information regarding the sale. Send bids to my auctioneers or Geo. M. Cantrall in

KEEPON 2d,

ONE OF THE GOOD ONES IN MY SALE

Drop a Postal Card NOW for Catalogue. Mention RURAL WORLD.

Auctioneers, H. O. CORRELL, D. P. McCRACKEN. H. O. MINNIS, EDINBURG, ILL.

On B. & O. 17 Miles from Springfield, III.

FINAS.

The service for Signature during the Goldon Lee S. Owned by Winn & Martin; third to animal owned by Jimes Billips's Goldon & Cornell, and the broad owner on on a pool desermined owner of the principle of

For shelter, a wooden shed is used, as the animals kept in this are not as liable to contract cold as when confined in a basement barn. Poland-Chinas crossed with Chester-Whites make a fine market hog, ready for sale when eight or nine months old.

A PIG IN SHEEP'S CLOTHING.

Some interesting experiments with little pigs have been made recently by a scientist at Copenbagen, Doctor Henricans of the pigs and the company of the pigs and the contract of the pigs under 6 months, produce of same boar, by exhibitor—First to W. C. Williams & Co.; second to Ira E. & S. L. Bryan, Four swine, get of same boar, by exhibitor—First owned by Winn & Martin; second to Burgess Bros. & Co.

DUROC-JERSEY.

Boar 2 years old or over—First to Oom Paul 7545, owned by George W. Trone & Sons; interesting experiments with little pigs have been made recently by a scientist at Copenbagen, Doctor Henricans of the pigs have been made recently by a scientist at Copenbagen, Doctor Henricans of the pigs and three sows under 1 year—First to James Riley's Sons; second to A. Crawford.

Boar and three sows under 1 year, bred with turpentine, which seemed to give it turpentine, which seemed to give it

The Markets ed. Quotable per ton nominally at from \$70 for poor to \$100 for choice. GRASS SEEDS—More doing in timothy,

red at 73673½c this side and 73½674c E. side; No. 2 red quotable at 70½671½c and No. 4 at 63670c skd in elevator; 70c for No. 2 red and 1c to 2c less for No. 2 and No. 4; hard winter at 63½c for No. 2 and No. 4; hard winter at 63½c for No. 2 and Sa¼680c for No. 3; No. 3 spring 67c; outside rates for Kansas.

OATS-Cash Market-No. 2 sold at 371/4 No. 3 at 3714c: No. 2 white at 38% 1916c for fancy E. side; No. 4 wnite at

RYE-No. 2 at 56@56%c. BRAN-E. side country points, 77c; 100 lb sks 80c; on trk, 79c; bulk 72c. This side

SHIPSTUFF-McG\$1 HAY-Prices E. trk. as follows: Timo thy \$14@14.50 for choice, \$13@14 for No. 1 \$12@13 for No. 2; clover \$10@11.50 for No. 2 and \$12@13 for No. 1: clover mixed ranges

to \$12; prairie, this side, \$11@12 for and \$9@10 for No. 2; alfalfa \$12@13.

PRICES ON CHANGE. following tables show the range of in future and cash grains: Closed Range Closed Saturday. Monday. Monday.

Wheat-		
Dec71%@% b	72-72%-1/2	72 @1/4 a
Мау74% а	751/4	751/6
Corn-	67%@55%	E71/ n
Dec57% b	0178(10078	017E EL
Dec37 n	@	87 n
May39 b		
Cash wheat, corn an Range Monday.	Range Saturday.	Hange
Wheat-		
No. 2 red721/4@731/2	721/2@73	731/4@74
No. 3 red71 @71%		70 @721/2
No. 4 red70 @71	70 @71	68 @681/4
No. 2 hard @	68%@69%	70 @70%
No. 3 hard 681/2@69	681/2/0068	70 @
Corn-		
No. 2 mixed.581/4@581/2	59 @591/4	39%@
No. 2 white.59 @5814	59%@	42 @
No. 3 mixed.58 @581/4	581/2@59	371/2@381/3
No. 4 mixed.571/2@58	58 @581/2	35 @
No. 3 white 58@@58	59@591/4	41 @411/4

COTTON-Local spot quotations-Ordi nary, 6½c; good ordinary, 7½c; low mid-dling, 7½c; middling, 8½c; good middling,

No. 4 mixed.361/2037 361/2037

No. 3 mixed.374/0374 374/038 224/02

No. 3 mixed.374g037; 374g038; 234g234 No. 2 Nor.37;@... 334g3354; 234g234 No. 2 white.384g3394; 39 @... 264g2655; No. 3 white.374g338; 38 g3354; 24 g2344; No. 3 mixed.37 g374; 37 g374; 22 g2234

No. 2 yel...584@59 No. 3 yel...574@58

8½c; middling fair, 3%c. WOOL—Little doing. Merely a light inquiry from manufacturers to supply current wants and no perceptible denand on any other account. Prices nom-

16½@17c; medium clothing, 16½@16½c; braid and low, 16½@16c; burry and clear mixed, 14½@16½c; elight burry, 13c; hard burry, 11c; light fine, 13½@14½c; heavy fine, 10½@11½c.

EGGS—Fresh scarce, firm and wanted at 17½c, loss off. Inferior less. BUTTER—Quiet. Buyers of creamery,

anticipating lower prices, were holding off. Offerings and demand for all other

grades were ight.
Creamery—Extra, 23c; firsts, 20@21c; seconds, 18@19c. Country—Choice, 11c; poor to fair, 3@10c; grease, 4c. Dairy—Extra, 16@17c; firsts, 14@15c. Ladle-packed—Extra,

15c; firsts, 13½c. CHEESE—Jobbing: Twins at 10½c; sin-gles, 11c; daisies, 11½c; Y. A., 11½c; long horns, 11¼c; N. Y. large, 10½c; N. Y.

3 cars selling on basis of \$5.50 for good grade; market firm at range of \$5 to \$5.90. Clover quiet but steady at from \$8.75 for clean bright seed now to much less for

was sustained. Choice grades of apples are still in most favor. Sales—2 car loads CORN-Cash Market-No. 2 white 596 and 200 packages sun-dried quarters ap-CORN—Cash Market—No. 2 white 586 and 200 packages sun-oried quarters apples, 150 packages peelings and chops, 25 packages other kinds of apples and 65 packages other kinds of apples and 65 packages other kinds of apples and 65 packages sun-dried peaches—all at quotations: Apples—Evaporated rings at Dec. prices.

OATS—Cash Market—No. 2 sold at 374 64 for inferior to 54,65% for fair to 66 64c for choice and 64c for fancy, evaporated quarters at 5%@5%c; bleached chops at 1@1%c, do peelings 1@1%c; sundried quarters—fancy at 4%c, choice at 4%c, fair at 4c, dark and inferior at 3@ 31/2c. Peaches-sun-dried at 11/2@2c.

WHITE BEANS—Quotable now in small way from store at \$3.10 for hand picked pea beans and \$262.06 for screened or machine picked—car lots on East track less. Offerings moderate; demand fair. Lima beans at 81/4@81/2c per pound; California pink at 31/2c

HONEY-Comb-Dark at 6@8c: bright amber, 10@11c; white clover, 11%@12%c-inferior and broken less. Extracted and strained—Southern in barrels at 4c to 4%c; cans 4%@5c; California at 6%c in

HORSES—The regular auction had fair-ly liberal supply and a good aggregation but in all essentials trade did not open any better than the market of last week. but in all essentials trade did not open any better than the market of last week. The eastern buying force is not showing as active characteristics as a couple of weeks ago, owing to the slump which has taken place in the export demand, and no classes, with the possible exception of choice heavy draft or transfer horses, are bringing the quotations current at that time. The southern demand did not materialize as good as was expected, proving a little more backward that the force of buyers appeared to warrant. However, the quality of the arrivals except in

ket did not show better outlines than the trade of last week.

due signs of activity. Dealers spent the forenoon in filling a few small consignments, but there was nothing active or aggressive in the movement. The quality of the commission offerings was fair, a few good consignments being included in

Receipts in native division this week were moderate and on account of light little, the effect is not markedly delereceipts here fore part of week, prices were about the same as close of last. Chicago reported o heavy run Monday and is apt to be quite deleterious; so we don't prices 10 to 15c lower. Some of best on quarrel with those who prefer to risa one sale this year were here this week, two loads selling at \$6.55, which averaged 153 make cider till the warm weather is well lobs, and one load at \$6.50, which averaged 1566 lbs. The market Wednesay and will keep.)—Country Gentleman. Thursday ruled 10 to 15c higher than fore prices as compared with our last correspondence. One load of good feeders sold this week at \$4\$. The run of butter stuff was light and included very few that could be termed good and none strictly these, when separated from the heavier kinds, command a premium; but sales and contained to the common and the contained to the cont sold 10 to 15c higher; common, medium and pretty good kinds were no more than steady. The bull market ruled about the same as last week. Canning grades were usually at an average price. Old chickens dull and unchanged. Ducks quiet and steady. Geese steady. Turkeys firmer for good dressing stock, but thin and time during the season. Best grades of barely steady and are now as low as any It has been without food or water for four

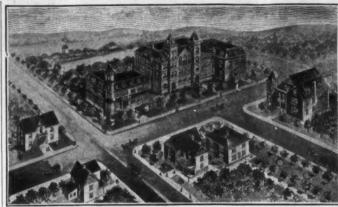
for good dressing stock, but thin and small not wanted at all. Spring chickenes, average receipts, 8c; old chickens—hens, 6c; old roosters, 4½c. Turkeys—Good dressing, 7c; small and thin not wanted. Ducks—White, 6c; dark and plucked, 5½c. Geese—Full feathered, 5c. Live pigeons, per dozen, 60c.
DRESSED ICED POULTRY—Dull. Scalded and undrawn with heads and legs on: Chickens—Hens, 6½c; spring, 868½c; roosters, 4c. Turkeys—Choice, 7½c. Ducks, 6½@7c. All poor stock nominal.

Scaly-Cr. All poor stock nominal.

The during the season. Best grades of milk cows with calves were in good demand a strong prices; common and medium classes were about steady. Top of the veal calf market was \$6, bulk \$4.75 to \$5.75. Following quotations are based on present conditions of the market:
Best native beef steers strictly fancy cattle, 1300 to 1600 pounds average, \$5.55@6.56; good shipping and export steers, 1300 to 1600 pounds average, \$6.50; choice export steers, 1300 to 1600 pounds average, \$6.50; choice export steers, 1300 to 1600 pounds average, \$6.50; good shipping and export steers, 1300 to 1600 pounds average, \$6.50; good shipping and export steers, 1300 to 1600 pounds average, \$6.55@6.56; good shipping and export steers, 1300 to 1600 pounds average, \$1.55@6.56; steers, 1300 to 1600 pounds average, \$1.55@6 firm; sound, well packed quote range 75c sold at \$2.562.50 and the bulk of all the for poor to \$161.150 per bbi for fair to choice smooth and \$263 for fancy varieties; home grown windfalls, \$26650 per to \$1.000 pounds, \$1.000 pound

Date of the solutivest covery and failing or both for fair to choice smooth and Eggs for fanncy varieties; home grown windrains, gastless per bill for faire.

The solution of the solutivest covery and solution of the solutivest covery and the solution of the solutivest covery and the solution of the s



CHILLICOTHE, MO., NORMAL SCHOOL, ALLEN MOORE PRESIDENT.

\$2.50@3, bulls at \$2.15@2.60, and calves, 100 AN ADAIR CO. (MO.) FARMERS' IN to 300 pounds, at \$3@10 per head, with the bulk at \$869.25. Arkansas and Tennessee

MULES—The receipts opened in moderation, about 150 head being available on the commission market during the fore-

steady. me if you know any simple way to keep cider sweet. I have made one barrel, but the offerings. Southern inquiry is considerable when the offerings and the barrel, but have no facilities for drawing if off. L. carbly smaller than at this period last year, for the reason that the season is late. Thus far the eastern inquiry and the barrel inquiry is considerable. The barrel inquiry is considerable when the barrel inquiry is considerable when the barrel inquiry is considerable. The barrel inquiry is considerable when the b ST. LOUIS NATIONAL STOCK YARDS.

Market Report Furnished by Evans-Snider-Buel Company.

We can't say that we approve of the use of such antiseptics, as whatever will stop fermentation in the cider, will, if taken in sufficient quantities, stop digestion (which is a kind of fermentation) in use stomach. Probably, if one drinks only a

part of week. Bulk of beef cattle close fully 15c higher than week ago. Receipts for stockers and feeders moderate and quality common; very little difference in Richmond, and N. H. Gentry, Sedalla, ad-

and will live.

steers, 530 to 668 pounds average, sold at \$2.50; cows and heifers at \$1.50@3.30, the bulk at \$2.15@2.50 and bulls and oxen at cess, although there were not many in attendance the first day. The second day HOGS-The week opened with a fair there was a good attendance, and the run and strong prices on best. Tuesday and Wednesday, under liberal receipts and unfavorable advices from other remark that they wished they had atpoints, the market became demoralized

noon, with the addition of a few consignments coming in direct to dealers. Trade was steady so far as the indications would indicate, which means to say that neither the southern demand nor the demand from any quarter showed any undue signs of activity. Dealers spent the support of the demand from any quarter showed any undue signs of activity. Dealers spent the support of the demand from any quarter showed any undue signs of activity. Dealers spent the support of the demand from any quarter showed any undue signs of activity. Dealers spent the support of HOGS—Receipts light; market b to loc corn, two parts wheat bran and clover or sigher.

SHEEP—Receipts light; market ruled steady.

As soon as the juice enters the steam or fire-heated pan, a uniform and high debright corn fodder, if fed in a manger, is gree of heat should be maintained until the semi-syrup stage of evaporation is the semi-syrup stage of evaporation is considered. At this point, it should be also

points brought out by the speakers are broad pan or box, at least eighteen inche long in the RURAL WORLD. The after-noon session was taken up by Prof. Mum-ford and Dr. Luckey. The doctor's talk was a continuation of his morning subject. The Professor gave us some very Interesting facts about "Profitable Stock Feeding," and showed very plainly some of the leaks on the farm. Taken all in all, the institute was a profitable meeting

to those that attended, and I hope we may be so fortunate as to get another one. We are having beautiful fall weather.

MEDALS FOR MISSOURI

bert M. Yost, secretary and membe American and Charleston Expositions, arrived in St. Louis Saturday on business connected with the removal next month of the Missouri exhibits from Buffalo to the Charleston Exposition.

"It is generally conceded in Buffalo that Missouri carried off its sha of the honors at the Pan-American Expo-sition. Missouri was the only state ac-corded a gold medal on corn. Missouri received two gold medals on flour, while dinnesota received but one. Missour was given a gold medal on wool and for its collective agricultural exhibits. In fact Missouri received more gold medals on strictly state exhibits than any other

"Only two gold medals were awarded exhibits by public schools. The City of St. Louis got one of these, while the other was given to Buffalo, largely as a compli-ment to local pride and interests. PREPARING BETTER EXHIBIT FOR CHARLESTON.

"There are several medals expected by fissouri from the horticultural deportant, where the awards will be anounced during the last week in October. "In its lead and sinc, calcite and other mineral displays Missouri won 17 medals Altogether we believe Missouri was fairly well treated, especially when it is known that medals were sparingly given and the western and southern states had to 'pro duce the goods' for all they received

of buyers appeared to warrant. However, the quality of the arrivals except in a few instances was not really up to ro-quirements, comprising mostly miscellanguisments, comprising mostly miscellanguisments, comprising mostly miscellanguisments, comprising mostly miscellanguisments, and this had much to do with the reason why the market did not show better outlines than the MONDAY, OCT. 14, 1901.—CATTLE—
Receipts were light in native division and prices strong to 10c higher than close of last week. Chicago reported 23,000 cattle; market active and strong. The decided with the control of the control of

> N. F. Murray, President of the State Horticultural Society, was the afternoon speaker, in a discussion of the orchard question, and, as usual, he held the audience from start to finish. It is a pity more did not hear him, as it might have been the means of saving them being guiled by some smooth-tongued rascal selling socialled tree paints at a high price, or perhaps some extra-hardy, borer-proof, never-die new variety of fruit at the small started to bring the thin syrup up to the boiling point. Should there be twentyer-die new variety of fruit at the small started to bring the thin syrup up to the sum of 50c to \$1 per tree. A number asked me the second day, "Where is five gallons of it, take one-half pint of Murray?" "We wanted to hear Murray." How necessary, then, that they attend the entire time, as we never know just which speakers are going to talk each day. I did not hear Mr. Winchester in the evening, but understand he gave a good talk on "Agriculture in the Public Schools."
>
> C. D. Lyon, of Ohlo, held forth on the remaining in it will rise to the surface, C. D. Lyon, of Ohio, held forth on the remaining in it will rise to the surface morning of the second day with a talk when the skimming should be continued on "Soil Fertility," and Dr. Luckey on "Gontaglous Diseases." A good crowd scum is removed. When finished, the listened attentively to both, and if the syrup should be run through a long remembered and put into practice, they in width, which quickly cools it suffi-will result in much good. Both speakers ciently to be put up in quart, half-gallon are fine talkers and handled their subwill result in much good. Both speakers are fine talkers and handled their subjects well. I was much pleased to meet
> Mr. Lyon, as I had read his letters so
>
> cooling, as it is more likely to crystalize.

Alexandria Co., Va., Oct. 4, 1901. ASTHMA CAN BE CURED.

I had it 12 years and am cured. Send

CRAWFORD CO. (ARK.) NOTES.

Editor RURAL WORLD: The long dry except not enough rain. Ponds and wells are nearly dry again and pastures, rye nice steady downpour of nine hours, will and wheat are at a stand still. We had long be remembered. "Come out and see three severe freezes the past week that have knocked out the late sown crops, stock is selling well at the sales, and the scare is over, but I am afraid that unless the farmers make the most of their feed, there will be some very poor stock next spring. If it freezes up without hard rains spring. steers, 139 to 130 pounds average, full range, 24,656,50; steers, 256,50; bulk of sales at 150 pounds average, full range, 24,656,50; steers, 256,50; bulk of sales at 150,505,57; steers, 100 to 120 pounds average, full range, 24,656,50; bulk of sales at 150,505,57; steers, 1000 to 130 pounds average, full range, 24,656,50; bulk of sales at 150,505,57; steers, 1000 to 130 pounds average full range, 24,656,50; bulk of sales at 150,505,57; steers, 1000 to 130 pounds average full range, 24,656,50; bulk of sales at 150,505,57; steers, 1000 to 130 pounds average full range, 24,656,50; bulk of sales at 150,505,57; steers, 1000 to 130 pounds average full range, 24,656,50; bulk of sales at 150,505,57; steers, 1000 to 130 pounds average full range, 24,656,50; bulk of sales at 150,505,57; steers, 1000 to 130 pounds average full range, 24,505,50; bulk of sales at 150,505,57; steers, 1000 to 130 pounds average full range, 24,505,50; bulk of sales at 150,505,57; steers, 1000 to 130 pounds average full range, 24,505,50; bulk of sales at 150,505,57; steers, 1000 to 130 pounds average full range, 24,505,50; bulk of sales at 150,505,57; steers, 1000 to 130 pounds average full range, 24,505,50; bulk of sales at 150,505,57; steers, 1000 to 130 pounds average full range, 24,505,50; bulk of sales at 150,505,57; steers, 1000 to 130 pounds average full range, 24,505,50; bulk of sales at 150,505,57; steers, 1000 to 130 pounds average full range, 24,505,50; bulk of sales at 150,505,57; steers, 1000 to 130 pounds average full range, 24,505,50; bulk of sales at 150,505,57; steers, 1000 to 130 pounds average full range, 24,505,50; bulk of sales at 150,505,57; steers, 1000 to 130 pounds average full range, 24,505,50; bulk of at 25,505,50; bulk at 25,505,50; bul



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should be fed sparingly and accompanied THE DROUTH BROKEN .- An electrical storm on the evening of October 11 culminated in a fall of rain that continued through the night and almost con-stantly all day Saturday. At night a heavy wind prevailed for a time, followed by rain at intervals during the night. The ground was thoroughly soaked water and the drouth was broken. BROOM CORN.—A larger acreage

planted and more attention given to the culture of broom corn this year than ever

scarce and a good price, the talk is \$2 per bushel.

In time of a drouth like the last one, a person learns the value of a never-go-dry spring of pure cold water, and such a one we have near the house that flows about 150 barrels a day.

We are thankful, indeed, that we have done so well, and gathered in more than horse early in April. We had four showers from April to October. The corn will make from eight bushels down to nother than the property of the pro

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